This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

580.3
A792

LELAND·STANFORD·JVNIOR·VNIVERSITY

DICTIONARY

OF

BOTANICAL EQUIVALENTS

FRENCH-ENGLISH
GERMAN-ENGLISH

BY

ERNST ARTSCHWAGER, Ph.D.
Instructor in Plant Physiology at Cornell University

AND

EDWINA M. SMILEY, M.A.
Instructor in Plant Pathology at Cornell University

STANFORD LIBRARY

PUBLISHED BY
WILLIAMS & WILKINS CO.
BALTIMORE, MD.

COPYRIGHT, 1921
BY
WILLIAMS & WILKINS COMPANY

286319

STANFORD LIBRARY

COMPOSED AND PRINTED AT THE
WAVERLY PRESS
BY THE WILLIAMS & WILKINS COMPANY
BALTIMORE, MD., U. S. A.

PREFACE

> The work of the Great rests upon the accumulated labor of an obscure host of patient and painstaking workers.—*Yoffa.*

Readers of foreign botanical literature have for a long time felt the need of an accurate translation of technical terms which are not commonly found in our dictionaries. In the following compilation the editors have attempted to supply this need. The foundation of the work rests on Schneider's *Illustriertes Handwörterbuch der Botanik.* Many terms, however, have been taken from other dictionaries, as well as textbooks and current literature.

French and German terms of Latin or Greek origin have been omitted whenever the English equivalent would practically have been only a repetition. For such terms as are included in this dictionary the exact English equivalents have been sought.

In numerous instances, however, the lack of such has made it necessary to furnish an explanation of the foreign term rather than a translation.

The list of plant names includes important economic plants, farm weeds, and the Latin equivalents for the larger plant groups.

The editors, so far from attempting a complete compilation of French and German botanical terms, have aimed only at the production of a practical hand-

book, accurate within the limits set for it. To make it possible for owners of the volume to amplify the list of terms and names given, the publishers have interleaved blank pages, and it is hoped that this will prove valuable for those who use the book.

THE EDITORS.

Ithaca, December 1, 1920.

ACKNOWLEDGMENT

The editors wish to express to their colleagues and friends their appreciation for helpful criticism in the selection of the proper equivalents and in the reading and correcting of the proofs.

FRENCH-ENGLISH

A

aile	wing
aiguillon	epidermal structure, trichoma
aisselle	axil
albumen corné	horny endosperm
albumen amylacé	starchy endosperm
amyloleucite	amyloplast
appareil de soutien	supportive tissue
archidie	sporangium
article mâle	male cell
asque	ascus
assise de cellules	tissue, layer of cells
assise génératrice	cambium
assise génératrice de la lenticelle	cambium of lenticels
assise mécanique	mechanical cells, supportive cells
assise pilifère	piliferous region of root
assise plissée	endodermis
assise subéro phellodermique	phellogen
aubier	sapwood
avoine	oats
azote	nitrogen

B

baie	berry
bec cutinisé	cutinized ridge of guard cells of stomate
biocyte vivante	parenchyma found between the elements of the protoxylem

bois alterne	protoxylem
bois d'automne	summer wood
bois de printemps	spring wood
bois imparfait	sapwood
bois précoce	spring wood
bois primaire de seconde formation	metaxylem
bois tardif	summer wood
bouchon	cork
bourgeon	bud
bourgeon adventive	adventitious bud
bourgeonnement cellulaire	budding, formation of conidia
bouturage	plant cutting
bouture	plant cutting

C

cadre suberisé	radial dot (endodermis)
cal	callus
calice	calyx
calice dialysepale	polysepalous calyx
calice gamosépale	gamosepalous calyx
calicule	involucre leaves beneath calyx
caïeu	sucker, off-set
calotte	neck
canaliculé	pitted
canal aérifère	airpassage
capillite	capillitium
capitule	head
capuchon	growth of tissue above the funiculus of many Euphorbiaceae
carie	smut
cellule	cell
cellule annexe du stomate	subsidiary cell of stomate
cellule compagne	companion cell

cellule de base	stalkcell of hair
cellule de bordure	guardcell
cellule de canal du col	neck canal cell
cellule de l'assise mécanique	mechanical cell
cellule disloque	cell of complementary tissue of lenticel
cellule du bois	wood parenchyma cell
cellule laticifère	latex vessel
cellule libérienne	phloem parenchyma cell
cellule ligneuse	tracheid
cellule mère	mother cell
cellule mère terminale	apical cell
cellule pierreuse	stone cell
cendre	ash
chambre aérienne	air chamber of stomate
chambre sous stomatique	inner air chamber of stomate
charnière inférieure	inner hinge (of stomate)
charnière supérieure	outer hinge (of stomate)
charnu	fleshy
chaton	catkin
chaux	lime
chloroleucite	chloroplast
cicatrice	scar, leaf scar
cil	flagellum
cil vibratile	flagellum
circumnation	nutation
cire	wax
cloison	septum, cross wall
coeur du bois	heart wood
coiffe	root cap
collenchyme périphérique libérienne	collenchyma-like cells of cortex adjacent to protophloem
collet	neck
collocyte	collenchyma cell
conjunctive fondamentale	cortical tissue of petiole
conné	grown together

connectif	connective
coquille de noix	shell of walnut
cordon libéro-ligneux	fibrovascular bundle
corolle	corolla
corps dissout	solute
corps nourricier	host
couche membrane du protoplasma	plasma membrane
couche séparatrice	absciss layer
couche subéreuse	cuticle
crampon	rhizoid
cristaux réunis	compound crystal

D

déhiscence poricide	porous dehiscence (of anther)
demifleuron	individual flower of Compositae
denté	toothed
deuteroxylème	secondary xylem
dialypétale	polypetalous
dissolvant	solvent

E

écaille	scale
écaille de bourgeon	bud scale
écaille de bulbe	bulb scale
échantillon	specimen
échelon	in ladder form
écide	eacidium
écidiole	spermatium
écorce	cortex
écusson	bud for grafting
élément crystalligène	crystal bearing element
endoxyle	pith crown
endoplèvre	tegmen
enfoui	buried, sunken
engainer	to sheath

enkyster	to encyst
entassement	crowding (of plants)
entre-noeud	internode
épaisseur	thickness
éperon	spur
épi	spike, ear
épine	thorn
espèce	species
étamine	stamen
étamine pétalisée	petal-like stamen
exfolié	sloughed off
exoderme	hypodermis

F

faisceau du liber	phloem strand
faisceau libéro-ligneux	fibrovascular bundle
faner	to wilt
fécule	starch
fente	anther slit
feuille composée pennée	compound pinnatifid leaf
feuille charnue	water storing leaf
feuille peltée	peltate leaf
feuilles primordiales	the leaves which develop after the cotyledons
fibre de remplacement	substitute fiber
fibre liberienne	phloem fibre
filet	stamen filament
fleure en languette	ray flower
fleur en tube	disk flower
fougère	fern
fructifier	to sporulate

G

gaine scléreuse	mestome sheath, leaf sheath
galactocyte	latex tube
gamopétale	gamopetalous
gélifier	to gelatinize

gélose	agar
gemmule	embryo
glands	acorn
gonfler	to swell
gousse	legume
grappe	raceme
grappe composée	compound raceme
grappe d'ombellie	umbel-like raceme
grappe pendante	catkin
greffe	graft
greffe à cheval	saddle graft
greffe écusson	shield budding
greffe en anneau	ring grafting
greffe en couronne	crown grafting
greffe en fente	cleft grafting
greffe en flûte	flute budding
greffe en placage	veneer grafting
greffe mixte	graft between plants not closely related
greffe par approche	inarching
greffe sur racine	root grafting
greffoir	budding knife
greffon	scion
grêle	slender
gui	mistletoe

H

hadrocyte	pitted element
hile	hilum
hydrocyte	element inside the cambial zone
hydrolycite	vacuole

L

lacune aérifère	air space
lame criblée	sieve plate
lamelle moyenne	middle lamella

leucite	plastid
lèvre	lip (of labiate flower)
levure	yeast
liber primaire de seconde formation	metaphloem
liège	cork, periderm
liège cicatriciel	cork formation following the falling of the leaf
liège dur	hard cork
liège mou	soft cork
ligule	ligulate flower
limbe	leaf blade
lisse	the region of the root extending from the rootcap to the piliferous zone
loge	anther lobe, locule
logette	pollen chamber, locellus
lorique	testa

M

macle	druse
maille de réseau	sieve mesh
manchette annulaire	annulus
marcotte	runner, layer
méat	small triangular intercellular space
méats ou intervalle	intercellular space
méridien protoplasmique	spindle fiber
merisstele cortical	leaftrace bundles in the cortex
mince	thin
mince filet	filar strand of protoplasm
moelle	pith
moisi	mold
monoique	monoecious
morcellement	division
motrice	motor cell (in grass leaf)
mousse	moss

N

nervure	vein
nodule scléreux	group of stone cells
noyau	nucleus
noyau reproducteur	generative nucleus
noyau secondaire	polar nucleus
nucleole	nucleolus

O

ombelle	umbel
onglet	base of petal
oreillette	auricle (grass)
ostiole	stomatal opening
oursin	compound crystal
ovaire	ovary
ovaire adhérent	inferior ovary
ovaire libre	superior ovary

P

panaché	variegated
parcours des vaisseaux	the course of the leaf-traces
parenchyme de dilation	the broadened part of the medullary ray
parenchyme étiolé	aerenchyma
parenchyme ligneux	wood parenchyma
parenchyme muriforme	brick-shaped parenchyma cells
parenchyme rameux	lacunate parenchyma
parenchyme subéreux	periderm
paroi	cell wall
pedoncule	peduncle
penne	pinnatifid
phellogène sous-lenticellaire	closing cells of lenticel
piquant	prickle
plaque criblée	sieve plate
plante vivace	perennial
plaie	scar

plaque équatoriale	equatorial plate
pli	thin spot in wall of pollen-grain
plissé	plaited
pollinie	pollinium
poche	bordered pit
poche secrétrice	internal gland
poil crochu	hooked hair
poil en écusson	shield hair
poil urticant	nettle hair
ponctuation aérolée	simple pit
ponctuation simple	simple pit
ponctuée	pitted
préfloraison	aestivation
prêle	horsetail
primine	first integument
protochorde	protoxylem group

R

racine	root
racine binaire	diarch root
racine principale	mainroot, taproot
racine vivace	perennial root
radicelle	rootlet
rameau	branch
rebrousse	retrorse
region pilifère	piliferous region of root
region subéreuse	region of root between hypocotyl and piliferous region
revêtement de cire	cuticular ridge
rond de sorcier	fairy ring
rouille	rust

S

sain	healthy
scarieux	scarious

secondine	second integument
semence	seed
semis	seedplot, seedling
serre	greenhouse
sève	sap
sève brute	crude sap
sillon	anther-lobe, furrow
socle	foot of hair
sol	soil
souche	rhizome, stem
spadice	spadix
squamme	scale
stéreide	fiber
stigmate	stigma
subérifié	suberized
stomate aquifère	hydathode
suc cellulaire	cell sap
suçoir	haustorium, scutellum

T

talon	heel
tégument séminal	seed coat
témoin	check plant
thalle	thallus
thylle	tylosis
tige	stem
tige rampante	creeping stem
tige souterraine	underground stem
tige tubercule	tuber
tige volubile	twining stem
tige vrille	twiner
tigelle	small stem
tissu criblé	phloem
tissu en palisade	palisade tissue
tissu lacuneux	spongy parenchyma
tordu	convolute
tube criblé	sieve tube

V

vaisseau annelé	ringed element
vaisseau aréole	pitted elements
vaisseau intermédiaire	metaxylem element
vaisseau ponctué	pitted vessel
vaisseau superposé	secondary xylem element
vrille	tendril
vrille feuille	leaf-twiner

GERMAN-ENGLISH

A

Abänderungsspielraum m	class variation
Abart f	variety
Abbau m	degeneration, running out
Abblätterung f	exfoliation
Abblühung f	cessation of flowering
abfallend a	deciduous
Abfurchung f	segmentation
abgeflacht a	oblate
abgegrenzt a	delimited
abgehaart a	glabrous
abgestumpft a / abgestutzt a	blunt, truncated
Abhaltungsmittel n	means of prevention, barrier
abholzig a	tapering (of tree-trunks and stems)
Ablast m	complete suppression of the development of an organ
Ablaufwinkel m	angle between main axis and lateral members
Ableger m	a new individual produced asexually
Abrisszone f	zone of abscission
Absaugflasche f	filtering flask
Abschnürung f	abstriction
Abschreckungsmittel n	protective agent
abschuppen v	to scale off
Absenker m	layer, cutting
Absonderungsflüssigkeit f	excretion, secretion

Absprung m	ramular abscission
Abstammungstheorie f	descendance theory
abstehend a	spreading
absteigend a	descending
Abtriebsalter n	final age (of timber trees), cutting age
abwärtsgerichtet a	inverted
Abzweigung f	branching
Achse f	axis
Achselversprossung f	appearance of buds within a flower
achsenbürtig a	arising from the axis
Achsenfadenranker m	a plant climbing by means of axial tendrils
Ackerboden m	surface soil, cultivated soil
Ackerfuchsschwanz m	foxtail grass, *Alopecurus agrestis*
Ackerkamille f	chamomile, *Matricaria* sp.
Ackerkrume f	surface soil
Ackerminze f	mint, *Mentha arvensis*
Ackersenf m	mustard, *Brassica arvensis*
Ackerwinde f	small morning-glory, *Convolvulus arvensis*
Ader f	vein, grain (of wood)
Aderholz n	wood cut so as to show the grain
Adventivfieder f	accessory pinna
Adventivkeim m	adventitious embryo
Aequationsteilung f	equational division
Aequatorialplatte f	equatorial plate
Afterblatt n	stipule
Afterdolde f	cyme
Aggregationsarten f pl	the close association of members of a species or of widely related groups
Aggregationsplasmodien n pl	pseudo-plasmodia (of Acraceae)

Ahlbeere f	black currant, *Ribis nigrum*
Ahnenplasma n	germplasm
Ahorn m	maple, *Acer* sp.
Ahorngewächse n pl	Aceraceae
Ährchen n	spikelet
Ähre f	spike
Ährendolde f	spikelike umbel
Ährenfrucht f	grain, cereal
Ährenköpfchen n	capitate spike
Ährenlilie f	*Narthecium ossifragum*
Ährenrispe f	contracted panicle
Ährentraube f	spikelike raceme
Akelei f	columbine, *Aquilegia vulgaris*
Alarzelle f	alar cell
Aleuronkorn n	aleuron grain
Algenpilz m	phycomycete
Algenzone f	algal layer (in lichens)
allassotonische Bewegung f	nutation due to reduction in cell turgor
Alpenveilchen n	cyclamen
Alpranke f	bittersweet, *Solanum Dulcamara*
Alterationserscheinung f	the indirect influence of an organ upon the development of another
alternierend a	alternating
Altholz n	old timber
Altkultur f	aging culture
Alveolarschicht f	alveolar layer
Ambraholz n	yellow sandalwood
Ameisenäther m	ethyl formate
Ameisenpflanze f	ant-plant, myrmecophyte
Ameisensäure f	formic acid
Amokukar n	ammoniacal copper carbonate
Ampfer m	dock, *Rumex* sp.
Ananas f	pineapple
Anbau m	cultivation

3

Anbaufähigkeit f	possibility of cultivation
Anbauwürdigkeit f	worthiness of cultivation
Andorn m	horehound, *Marrubium vulgare*
aneliotrop a	insensible to light
Anemogamie f	wind pollination
Anfaulen n	beginning of rot
Anflug m	forest rejuvenation by wind-disseminated seeds
Anflugstelle f	landing place (for insect visitors of a flower)
angeflogen a	self-sown
Angelborste f	glochidium
Anger m	grass plot
angewachsen a	coherent
Anhangleiste f	appendicular ridge (of stomate)
Anhängsel n	appendage
Ankerhaar n	anchor hair
Ankerklette f	burr fruit with projections for anchoring in the soil
Ankömmling m	casual (plant)
Ankultur f	young culture
Anlage f	primordium, meristem, character
Anlagenplasma m	idioplasm
anliegend a	accumbent
Anlockungsmittel n	lure (for insects)
anormale Fieder f	accessory pinna
Anpassung f	adaptation
Anpassungsnotwendigkeit f	necessity for adaptation
Anpassungsmerkmal n	adaptative character
Anpassungsvermögen n	adaptability
anreizen v	to stimulate
Ansatz m	apophysis, shoulder, appendage
Ansatzpunkt m	insertion point

Anschluss m	relation of the parts of the perianth to the bracts
Anschlusszelle f	hypophysis
Ansiedler m	epoikophyte
Antennen f pl	hairs and appendages found on the lower lip of the bladder of utricularia
Antherenfach n	anther sac
Antherenhälfte f	theca
Antherenröhre f	anther tube
Antheridiumstand m	antheridiophore
Antheridiumstift m	antheridium cap, cuspide
anticipierter Trieb m	prolepsis
Anticonsimilität	asymmetry
anwurzeln v	to take root
Apfelfrucht f	pome
Apfelkernhaus n	apple core
Apfellangtrieb m	long shoot of apple tree (in contrast with spur shoot)
Apfelsäure f	malic acid
Apfelschorf m	apple scab
Apicalöffnung f	apical pore
Appositionswachstum n	growth by apposition
Aprilpflanze f	spring plant.
arbeitender Laubspross m	shoot with photosynthetically active leaves
Arbeitshyperplasia f	hyperplasia produced by an increased demand on an organ
Arbeitsvermögen n	energy
Archegoniatentypus m	type (of stomate) found in the Archegoniatae (pteridophytes and gymnosperms)
Archegoniumträger m	receptacle, torus
Arm (der Translatoren) m	arm of retinaculum
Armleuchteralga f	stone wort, *Chara* sp.
Armleuchtergewächs n	stone wort, *Chara* sp.
Armpalisadenzelle f	arm palisade cell

armspannig a	few-barred
Arongewächse n pl	Araceae
Aronstab m	*Arum* sp.
Art f	species, kind, breed
Artanfang m	a mutation which has not as yet established itself as a species
Artbastard m	species hybrid
Artbildung f	formation of species, speciation
artfremd a	of unlike species
Artkreuzung f	species hybridization
Asbestpflanze f	milkweed
Asche f	ash
Aschenbestandteil m	ash constituent
Aschenermittlung f	ash determination
Aschengehalt m	ash content
Ast m	branch, knot (in wood)
Astanlage f	branch primordium
Astfäule f	branch rot
Astholz n	branch wood, lap-wood
Astranke f	branch tendril
Astreinigung f	natural pruning
Atemhöhle f	air chamber
Atemöffnung f	stomate
Atemwurzel f	respiratory root
Atmung f	respiration
Atmungsnahrungsmittel n	food substance used in respiration
Ätzkalk m	unslaked lime
Ätzsublimat n	corrosive sublimate
Auboden m	marshy soil
Aufästung f	heading
Aufbauen n	synthesis
Auffrieren n	frost lifting
aufgeblasenes Leimkraut n	bladder campion, *Silene inflata*

aufgehen v	to spring up, germinate
aufgewachsen a	adnate
aufliegend a	incumbent
aufliegende Anthere f	adnate anther
Auflösungsmittel n	solvent
Aufregungsmittel n	stimulus, irritant
Aufschlag m	forest rejuvenation from heavy seed
Aufschliessen n	decomposition of soils, hydrolysis
aufschwellen v	to swell
aufspeichern v	to store
aufspriessen v	to spring up
aufspringend a	dehiscent
Aufschliessungsvermögen n	ability of rendering plant nutrients available
aufsteigend a	ascending
aufsteigende Knospendeckung f	cochlear aestivation
Auftrieb m	aerenchyma (above the theca of the anther of Ceratophyllum)
aufwachsen v	to grow up
Aufzelle f	cell which gives rise to the epiblem in roots.
äugeln v	to bud
Augenfleck m	eyespot, stigma
augenfleckig a	ocellate
Augentrost m	eyebright, *Euphrasia officinalis*
Ausartung f	degeneration
ausbauendes Wachstum n	formative growth
Ausbreitungsgeschwindigkeit f	speed of migration
Ausbuchtung f	protrusion
ausdauernd a	perennial
ausdauernder Knäul m	knawel, *Scleranthus perennis*
Auseinanderhebung f	apostasis

Ausfallen n	precipitation
Ausflocken n	flocculation
Ausführungsspalte f	pore (of internal glands)
Ausgangsform f	original form
ausgebaut a	exhausted
ausgebuchtet a	emarginate
ausgerandet a	crenate, emarginate
ausgeschweift a	incised
ausgespreizt a	divergent
ausgestochen a	scrobiculate
Ausläufer m	stolon, runner
Auslese f	selection, elimination
Auslösung f	release
auspflanzen v	to plant
aussalzen v	to separate by the addition of a salt
Ausscheidung f	elimination, excretion
Ausschlag m	foliation, sucker production
ausschlagen v	to bud, to produce suckers
ausschwefeln v	to fumigate with sulphur
Aussendrüse f	external gland
Aussenhaut f	middle lamella
Aussenhülle f	excipulum, involucre
Aussenkelch m	calyculus, outer calyx, involucre
Aussenrinde f	periderm inclusive of the dead layers of the secondary phloem
Ausstreuvorrichtung f	mechanism for seed dispersal
Austrocknung f	desiccation
auswendig a	extrorse
Auswuchs m	enation, excrescence
Auszughauung f	removal of diseased or injured trees
Auszweigung f	branching
Auwald m	lowland forest
avunkulare Kreuzung f	cross between mutants of a direct line

Axe f	axis
axenbürtig a	axial
axilarer Strang m	medullary bundle

B

backsteinartig a	brick shaped
Baldriangewächse n pl	Valerianaceae
Balg m	empty glume
Balgfrucht f Balgkapsel f	follicle
Band n	narrow strip of woodland
bandiert a	fasciate
Barbarakraut n	spring cress, *Barbarea vulgaris*
Bärentapengewächse n pl	Acanthaceae
Bärenwurz f	*Meum athananticum*
Bärlapp m	club moss, *Lycopodium* sp.
Basalblatt n	basal leaf
Basalscheibe f	holdfast
Basalknoten m	the first node (of a leaf in Chara)
Basilarmembran f	membrane formed by the union of the teeth of the peristome
Bastardbestäubung f	cross pollination between plants of different species
Bastardierung f	hybridization
Bastfaser f	fiber of phloem, cortex or pericycle
bastfaserähnliches System n	tissue made up of libriform or septate libriform fibers
Bastkeil m	wedge of bast
Bastkörper m	phloem
Bastparenchym n	phloem parenchyma
Baststrang m	the sievetube bearing part of the phloem
Bauch m	venter
bauchig	ventricose

Bauchkanalzelle f	ventral canal cell
Bauchkanalkern m	ventral canal nucleus
Bauchnaht f	ventral suture
Bauchpilz m	gastromycete
Bauchrinne f	ventral groove (Marchantia)
Bauchseite f	ventral side
bauchständig a	ventral
Bauchteil m	venter
Baum m	tree
baumartig a	dendriform
baumbewohnend a	growing on trees
Baumfarn m	tree fern
Baumgenossenschaft f	tree association
Baumgrenze f	timberline
Baumschule f	nursery
Baumwürgergewächse n pl	Celastraceae
Baustoff m	building material, nutrient
Baustoffwechsel m	anabolism
Becher m	ascidium, ascus, calyx
beblättert a	leafy
Bechercotyl m	amphicotyledon
Becherdrüse f	crateriform gland
Becherflechte f	cup-lichen
Becherfrüchtler m	cupuliferous plant
Becherpilz m	ascomycete
Becherträger m	cupuliferous plant
bedecktsamig a	angiospermous
bedecktsamige Pflanze f	angiosperm
Beeinflussbarkeit f	modifiability, susceptibility
Beere f	berry
Beerenfrucht f	berry
Beerenzapfen m	cone
Beerenesche f	mountain ash, *Pyrus Aucuparia*
Beet n	bed (of plants)
Beete f	beet
Befestigungsmittel n	fixing agent

Befruchtung f	fertilization
Befruchtungsanthere f	pollinating anther
Befruchtungsschlauch m	pollentube
Begleiter m	comite
Begleitgewebe n	connective tissue
Begleitparenchym n	accompanying parenchyma, leptome sheath
Begleitpflanze f	attending plant (found only in connection with definite plant associations)
Beiknospe f	lateral bud
beiläufiger Schmarotzer m	semi-parasite
Beinweide f	honeysuckle, *Lonicera xylosteum*
Beispross m	secondary shoot
Beize f	disinfectant, disinfection, corrosion
Beköstigungsanthere f	short anther (in flower, which furnishes the food for visiting insects)
benarbt a	grass-covered
berast a	covered with turf
Berberitze f	barberry, *Berberis vulgaris*
Bereicherungsspross m	accessory shoot (which increases the fruiting and photosynthetic area)
Bergtee m	wintergreen, *Pyrola* sp.
Berlinerblau n	Prussian blue
Bernsteinsäure f	succinic acid
Berufskraut n	horse-weed, *Erigeron canadensis*
Berührungsbrücke f	a clamp connection between two hyphae by means of short, perforated protrusions
Berührungsreiz m	contact stimulus
Berührungsstreifen m	land at edge of wood

Besamung f	seeding
Besamungshieb m	thinning of old trees to insure growth of seedlings
Beschleunigungsreiz m	accelerative stimulus
beschuppt a	loricate
Besenkraut n	the broom, *Cytisus scoparius*
Bestand m	plantation, stock
Bestandteil m	constituent, element
Bestäubung f	pollination
Betriebsenergie f	energy of respiration
Betriebsstoffwechsel m	catabolism
Beulenbrand m	boil smut
Bewahrungsmittel n	preservative
beweglich a	versatile, motile
Bewegungsgewebe n	motor system
Bewegungsreiz m	motor stimulus
Bewegungsursache f	cause of movement
Bewegungsvermögen n	power of movement
bewimpert a	ciliate
Biegungsfestigkeit f	flexile strength
bigener Bastard m	genus hybrid
Bildungsabweichung f	deviation from normal development
Bildungsenergie f	energy of formation
Bildungsgewebe n	meristem, cambium
Bildungswärme f	heat of formation
Bilsenkraut n	henbane, *Hyoscyamus* sp.
Binse f	rush
Binsenblatt n	rush-like leaf
Bindung f	linkage, union
Bingelkraut n	mercury, *Mercurialis annua*
Binnendruck m	internal pressure
biogenetisches Grundgesetz n	biogenetic law
Birke f	birch
Birkengewächse n pl	Betulaceae
Birne f	pear
birnförmig a	pyriform

Bitterholzgewächse n pl	Simarubaceae
Bitterkleesalz n	oxalic acid
biversale Anpassung f	adaptation in two directions
Blähfrucht f	pneumatocarp
bläschenförmig a	vesicular
Blase f	bladder
blasebalgartig a	bellowslike
Blasenflieger m	fruit with wings of Cynara type
Blasenhaar n	bladder hair
Blasentang m	rockweed, *Fucus* sp.
blasig aufgetrieben a	vesicular
Blatt n	leaf
Blattabfall m	defoliation
Blattabschnitt m	leaf segment
Blattachsel f	leaf axil
Blattaderung f	leaf venation
Blattanlage f	leaf primordium
Blattanordnung f	phyllotaxy
Blattansatz m	stipule
Blattauge n	leafbud
Blattbasis f	leaf base
Blattbleiche f	leaf injury due to excess of light, chlorosis
Blattbräune f	leaf blotch
blattbürtig a	arising from a leaf
Blattdorn m	leaf thorn
Blätterbrand m	leaf smut
blätterig a	leafy
Blätterpilz	mushroom
Blattfederchen n	plumule
Blattfläche f	lamina
Blattflechte f	foliose lichen
Blattfleisch n	spongy parenchyma
Blattflügelzelle f	alar cell
Blattfolge f	leaf succession
blattförmig a	lamelliform

Blattfuss m	sclerotic thickening (at base of Isoetes leaf)
Blattgelb n	xanthophyll
Blattgrün n	chlorophyll
Blattgrund m	leaf base, lower portion of leaf primordium
Blattgrüntod m	frost injury to needles and small branches
Blatthäutchen n	cuticle, ligule
Blattkanne f	pitcher leaf
Blattkeim m	plumule
Blattkissen n	pulvinus
Blattkletterer m	leafclimber
Blattknospe f	leafbud
Blattlücke f	leafgap
Blattnarbe f	leafscar
Blattnervatur f	leaf venation
Blattpolster n	pulvinus
Blattrand m	limb
Blattranke f	leaf tendril
Blattrankenträger m	plant bearing leaf tendrils
Blattrippe f	midrib, nerve, vein
Blattrollkrankheit f	leafroll disease
Blattrudiment n	rudimentary leaf
Blattscheide	leaf sheath
Blattschlauch m	leaf or part of leaf modified to form a pitcher or bladder; ascidium
Blattschuppe f	ventral lobe
Blattskelett n	leaf skeleton, the vein system of a leaf
Blattspindel f	rachis
Blattspitzenkletterer m	leaftip climber
Blattspreite f	leaf blade
Blattspur f	leaf trace
Blattspurstrang m	leaf trace bundle
Blattsteckling m	leaf cutting

Blattstellung f	phyllotaxy
Blattstiel m	petiole
Blattstielblatt n	phyllode
Blattstieldrüse f	petiolar gland
Blattstielgrübchen n	lenticel-like structure of petiole
Blattstielkletterer m	petiole climber
Blattstielnarbe f	leaf scar
Blattstielranke f	petiolar tendril
Blattstielranker m	petiole climber
Blattsucculent m	plant with succulent leaves
Blattwand f	the wall which cuts off the leaf initials from the growing point of the axis.
Blattzipfel m	leaf lobe
blattzipfelförmig a	acutilobate
blattzwischenständig a	interfoliaceous
Blausäure f	hydrogen cyanide, prussic acid
Blauholz n	log-wood
Bleiarsenat n	lead arsenate
Bleiwurzgewächse n pl	Plumbaginaceae
Blendart f	true variety resulting from hybridization
Blendling m	intermediate hybrid which breeds true
Blendlingsbestäubung f	nothogamy
Blume f	flower
Blumenbesucher m	flower visitor
Blumenbinse f	*Butomus umbellatus*
Blumenblatt n	petal
blumenblattartig a	petaloid
Blumendeckblatt n	involucral leaf
Blumenduft m	fragrance
Blumenknospenstand m	vernation
Blumenkohl m	cauliflower
Blumenkrone f	corolla
Blumenstaub m	pollen

Blumenstetigkeit f	preference of some insects for one kind of flower
Blumenstielchen n	pedicel
Blumenuhr f	opening time (of flowers)
blumig a	glaucous
Blutblatt n	*Arnica* sp.
Blüte f	blossom
Blütenachse f	receptacle, floral axis
Blütenanschluss m	position of perianth parts (in relation to bracts)
Blütenbecher m	hypanthium
Blütenblatt n	petal
Blütenboden m	receptacle, torus
Blütendecke f	involucre, perianth
Blütenduft m	fragrance
Blüteneinsatz m	the position of the perianth parts of a flower lacking bracts in relation to the subtending leaf
Blütenformel f	floral formula
Blütenhülle f	perianth
Blütenhüllenblatt n	sepal
Blütenkätzchen n	catkin
Blütenknäuel m	flower cluster
Blütenknospe f	flower bud
Blütenkolben m	spadix
Blütenkorb m	calathidium
Blütenpflanze f	angiosperm
Blütenschaft m	floral shoot
Blütenscheide f	spathe
Blütenstand m	inflorescence
Blütenstandboden m	receptacle of inflorescence
Blütenstandstiel m	peduncle
Blütenstaub m	pollen
Blütenstiel m	pedicel
Blütenstielranke f	tendril formed by pedicel
Blütenwachs n	flower wax

Blütenzeichnung f	nectar guide
Blutungsdruck m	root pressure
Blutungssaft m	pressure sap
Blutungswasser m	exudation water
Blutwurz f	bloodroot, *Tormentilla erecta*, *Sanguinaria canadensis*
Bockshornklee m	*Trigonella* sp.
Boden m	soil, ground
Bodenerschöpfung f	soil exhaustion
bodenhold a	preferring certain soils
Bodenentseuchung f	soil sterilization
Bodenerhitzung f	soil heating
Bodenläufer m	tumble weed
Bodenmüdigkeit f	soil thickness
Bodenpflanze f	terrestrial plant
bodenstet a	preferring certain soils
Bodenvergiftung f	soil poisoning
bodenvag a	occurring on all sorts of soils
Bodenwurzel f	root
Bogenblatt n	convex leaf
bogenläufig a	camptodromous
bogennervig a	feather-veined leaf with acrodromous and camptodromous course of secondary veins
Bohrklette f	seed which buries itself in the ground
Bohne f	bean
Bohnenkraut n	summer savory, *Satureja hortensis*
Bordelaiser Brühe f	bordeaux mixture
Boretschgewächse n pl	Boraginaceae
Borke f	bark, scales or strips of cortex and phloem
Borkenschuppe f	abstricted fragment of cortex
Borste f	bristle
borstenförmig a	setiform

Borstengras n	*Nardus* sp.
Borstenhaar n	seta
Brache f	fallow
Brachsenkraut n	quillwort, *Isoetes* sp.
Bracteenform des Schauapparates f	pseudoperianth formed by colored bracts
Brand m	smut, decay of wood resulting from large wounds
Brandfäule f	brown rot
Braunheil m	selfheal, *Prunella vulgaris*
Braunkette f	medullary spot, pith fleck
Braunschuppenkraut n	cancer root, Orobanche sp.
Braunwurzgewächse n pl	Scrophulariaceae
breiig a	pulpy
Brennblatt n	leaf with stinging hairs
Brennborste f	stinging bristle
Brennhaar n	stinging hair
Bretterwurzel f	buttress root
Brombeere f	blackberry
Bruch m	swamp, brake
Bruchast m	brittle lateral branch for vegetative reproduction
Bruchfrucht f	loculicidal fruit
Bruchknospe f	brittle branch breaking off below terminal bud to form a new plant
Bruchspross m	brittle branch
Bruchstämmchen n	brittle stem
—brüderig	—adelphous
Brunnenkresse f	water cress
Brutbecher m	gemma cup
Brutblatt n	leaf abscissed for vegetative reproduction
Brutkelch m	sterile perianth
Brutknolle f	tuberlike prothallium (of Anogramme)
Brutknospe f	brood bud

Brutkorn n	gemma
Brutkörper m	brood body
Brutorgan n	brood organ
Brutschüppchen	brood scale
Brutspross m	brood shoot
Brutvorkeim m	secondary protonema
Brutwurzelknöllchen n	tuber for vegetative reproduction
Brutzelle f	brood cell
Brutzwiebel f	brood bulb
Buche f	beech, *Fagus* sp.
Buchengewächse n pl	Fagaceae
Buchse f	pyxidium
Bucht f	bay
Buchweizen m	buckwheat, *Fagopyrum* sp.
buntblätterig a	variegated
Burzelkrautgewächse n pl	Portulacaceae
Büschel n	fascicle
büschelförmig a	tasseled

C

German words of Latin or Greek derivation beginning with Ca, Co, or Cu, if not found here, should be looked for under the letter K.

Carinalhöhle f	carinal canal
carpelbürtig a	of foliar origin
Carpelträger m	carpophore
carposporangisch a	endogenous
Carposporium n	hyphal envelope of spores
Casparischer dunkler Strich m	Casparian strip
Casparischer dunkler Punkt m	radial dot
Cellulosebalken m	strand, beam or bar of cellulose
Celluloseschlauch m	innermost layer of wall of corkcell

Centralhöhle f	carinal canal, central cavity
Centralkörner n pl	centrochondria
Centralkörper m	pseudo-nucleus (of Schizophyceae)
Centralplacente f	free central placenta
Centralspalte f	peg or ridge in antichamber of stomate
Centralstrang m	axial strand
centralwinkelständige Placente f	axial placenta
centrifugaler Blütenstand m	botryose inflorescence
centripetaler Blütenstand m	cymose inflorescence
Charakterzellen f pl	pointer cells (in leaf of moss)
Chromatinkern m	simple nucleus
Chromosomanordnung f	arrangement of chromosomes
Chromosomgestalt f	general shape of chromosomes
Chromosomgrösse f	size of chromosomes
Chromosommasse f	mass of chromosomes
Chromosompaarung f	pairing of chromosomes
Chromosomverklumpung f	clumping together of chromosomes
Chromosomverschmelzung f	fusion of chromosomes
Ciströschengewächse n pl	Cistaceae
commissuraler Griffel m	style showing, by a commissure, evidence of fusion of carpels
Commissuralfurche f	commissural groove
Conchidien pl	basal leaves, appressed to substratum which soon die and produce humus
Conidienabschnürung f	abjection of conidia
Conidienkette f	conidial chain
Conidienköpfchen n	conidial head
Conidienlager n	conidial field, sorus, pustule
Conidiensprossung f	budding of conidia
Conidienstand m	conidial field
Conidienträger m	conidiophore

consociiert a	congenital, gamophyllous
Constitutialkampf m	struggle against environment
continuierliche Spirale f	continuous spiral
Contractionswurzel f	young root which draws seedling into the soil
contrahierendes Leitbündel n	reduced vascular bundle (especially of submerged plants)
Copulationsfortsatz m	conjugation papilla
Copulationsschlauch m	fertilization tube
Copulieren n	whip grafting, conjugation
corollinisch a	petaloid
Cotyledonarknospe f	cotyledonary bud
Cribralpriman m	element of protophloem
Cribralparenchym n	phloem parenchyma
Cribralteil m	phloem
Cribrovasalstrang m	fibrovascular bundle
Culturflüchtling m	escape
Cuticularkrönchen n	cuticular crown
Cuticularleiste f	cuticular ridge
Cuticularnaht f	cuticular suture
Cuticularperle f	cuticular bead
Cuticularschicht	cuticular layer
Cuticularwall m	rampart of cuticle
Cuticularzapfen m	cuticular peg
Cylinderepithel n	palisade layer of cells lining the scutellum

D

dachig a	imbricate
dachziegelartig a	imbricate
Dammerde f	humus
Dampfspannung f	vapor pressure
Dattelpalme f	date palm
Dattelpflaume f	persimmon
Dauerconidium n	resting conidium
Dauercyst m	resting cyst

Dauer-Ei n	resting zygote
Dauerform f	permanent form
Dauergewächs n	perennial
Dauergewebe n	permanent tissue
Dauermycel n	rhizomorph
Dauerpflanze f	plant which blossoms and fruits several times
Dauerschwärmer m	quiescent swarmspore
Dauerspross m	resting shoot
Dauerstaude f	perennial herb
Dauerstrang m	rhizomorph
Dauerzeichen n	symbol
Dauerzelle f	resting cell
decidierter Typus m	hybrid resembling one parent more than the other
Deckblatt n	bract of an inflorescence or of a single flower
Deckblättchen n	bracteole
Deckel m	operculum
Deckelkapsel f	pyxidium
Deckelzelle f	lidcell
deckige Knospendeckung f	imbricate aestivation
Deckhaar n	appressed silky hair
Deckrand m	false indusium
Deckschuppe f	scale
Deckspelz m	lemma
Deckzotte f	shaggy hair
Dehnspross m	etiolated shoot
derbwandig a	thick-walled
dichopodiale Sprossverkettung f	dichotomy
dichotrophe Pflanze f	heterotrophic plant
Dichtheit f	density, closeness (of grain in wood)
Dickblatt n	succulent leaf
Dickblattgewächse n pl	Crassulaceae
Dickenwachstum n	growth in thickness

differentielle Teilung f	qualitative division
Digestionsdrüse f	digestive gland
dipleurisch a	two-layered
Dipterenblume f	dipterous flower
Discusdrüse f	receptacle gland
Discuslappen m	glandular lobe of receptacle
Discusschuppe f	scale-like gland of receptable
Distelblatt n	prickly leaf
Dolde f	umbel
Doldenblütler m pl	Umbelliferae
Doldenerbse f	*Pisum sativum* var. *umbellatum*
Doldengewächse n pl	Umbelliferae
Doldenrispe f	umbel-like panicle
Doldenschraubel f	umbel-like monochasial cyme with the lateral axis transverse to the main axis and always at the same side
Doldentraube f	umbel-like raceme, corymb
Doldenwickel m	umbel-like monochasial cyme with the lateral axis transverse to the main axis and always on alternate sides
Doppelbalg m	bifollicle
Doppelbeere f	double berry
Doppelbestäubung f	simultaneous pollination with two kinds of pollen
Doppelwickel m	dicyme passing into a monochasial cyme
Dorn m	thorn, spine
Drehung f	torsion
Drehwuchs m	tortuous growth, spiral grain
dreischneidig reitende Knospenlage f	Carex type of vernation
dreistufig a	tricaulate
dreizählig a	ternate
dreizeilig a	triseriate

Druck m	pressure
Druckfestigkeit f	power of resisting compression
Druckspannung f	turgor
Drüse f	gland
Druse f	druse
Drüsenblatt n	glandular leaf
Drüsendeckel m	the cells closing a gland or surrounding the opening thereof
Drüsenfläche f	glandular surface
Drüsenfleck m	glandular spot
Drüsenhaar n	glandular hair
Drüsenraum m	glandular cavity
Drüsenscheibe f	glandular disk
Drüsenschuppe f	glandular scale
Drüsenzotte f	glandular shaggy hair
drüsiger Blattzahn m	glandular leaf tooth
Dünenpflanze f	dune plant
Dunkelstarre f	rigor as a result of darkness
durchforsten v	to thin
Durchlassstelle f	transfusion cell
Durchlassstreifen m	transfusion cell or area
Durchschnittszuwachs m	mean increment
Durchwachsung f	penetration

E

Ebenholz n	ebony
Ebenholzgewächse n pl	Ebenaceae
Ebenstrauss m	corymb
Eberesche f	*Sorbus terminalis*
echte Kreuzung f	gnesiogamy
echter Nährstoff m	essential element (found in plants)
echter Pilz m	Eumycete
echte Zwangsbestäubung f	archicleistogamy
Eckencollenchym n	corner collenchyma

Eckholz n	squared timber
Edelauge n	bud (used for grafting)
Edelkastanie f	chestnut, *Castanea* sp.
Edelreis n	scion
Edeltanne f	*Abies Picea*
Edelweiss n	edelweiss, *Gnaphalium leo*[illegible] *podium*
Ehrenpreis m	speedwell, *Veronica* sp.
Ei n	egg
Eiapparat m	egg apparatus
Eibe f	yew
Eiche f	oak
Eichel f	acorn
eichelförmig a	acorn-shaped, glandiform
Eichelfrucht f	glans, acorn
Eichen n	little egg, ovule
Eierfrucht f	eggplant
eiförmig a	ovoid
Eigengestaltung f	automorphosis
Eigenrichtung f	autotropism
Eikern m	egg nucleus
Eiknospe f	oögonium (*Chara*)
Eikugel f	oösphere
Eimund m	micropyle
einachsig a	haplocaulic
einartige Kreuzung f	xenogamy
eingebettet a	embedded
eingebogen a	crenate
eingefaltete Knospenlage f	plicate vernation
eingekrümmt a	incurved
eingerollte Knospenlage f	involute vernation
eingeschlagen a	induplicate
eingeschlechtig a	unisexual
eingestülpt a	incurved
einhäusig a	monoecious
einjährig a	annual
einkernig a	uninucleate

Einlagerung f	infiltration
einsamenlappig a	monocotyledonous
Einsatz der Blüte a	insertion of flower
einseitiger Bastard m	a hybrid which has the characteristics of only one parent
einseitiger Hoftüpfel m	half-bordered pit
einspitzen v	to insert
einstufig a	haplocaulic (bearing sex organs on the main axis)
Eintagsblüte f	flower which opens and closes the same day, or flower which opens only once
einweibig a	monogynous
Einzelbestand m	the flora of a certain locality of a uniform physiological character
eirund a	oval
Eisenkrautgewächse n pl	Verbenaceae
Eisenvitriol n	hydrous ferrous sulphate
Eisodialleiste f	anterior ridge (on inner surface of guard cells of stomate)
Eisodialöffnung f	anterior opening (of stomate)
Eiweiss n	protein, albumen
Eiweiss-organismus m	bacterium which needs protein in the nutrient medium
Eiweissschlauch m	myrosin container
Eizelle f	egg, oöspore (of fungi)
Ekelblume f	dipterous flower
Elaterenträger m	elaterophore
Embryokügelchen n	globular proembryo
Embryosackmutterzelle f	megaspore, embryosac mother-cell
Embryoträger m	suspensor
Empfängnisfaden m	trichogyne
Empfängnisfleck m	receptive spot
Empfindlichkeit f	susceptibility

Empfindung f	perception
Endknospe f	terminal bud
Endoderm-Hypoderm f	intercutis
endständig a	terminal, apical
Energieumsatz m	energy transformation
Enkelkern m	granddaughter nucleus
entästen v	to lop, to trim
entblättern v	to defoliate
Entleerungsapparat m	gland
entrinden v	to bark, to peel
entwässern v	to drain
Entwicklungsänderung f	change in development
Entwicklungsgang m	ontogeny
Entwicklungsgeschichte f	developmental history
Entwicklungshemmung f	inhibition in development
Entwicklungsperiode f	growing period
entwurzeln v	to up-root
Enzian m	gentian
Enziangewächse n pl	Gentianaceae
Epheu m or n	ivy
Erbanlage f	hereditary factor
Erbeinheit f	hereditary unit, gene
Erblichkeit f	heredity
Erbse f	pea
Erbsenbaum m	Siberian acacia
Erbzahl f	number of parental types
Erdapfel m	potato, cyclamen, truffle
Erdbeere f	strawberry
Erdbirne f	Jerusalem artichoke, *Helianthus tuberosus*
Erdholz n	semi-shrub
Erdkrume f	mold, black earth
Erdnuss f	peanut
Erdstamm n	prostrate stem
Erdstaude f	the lower aerial portion of a perennial
Erdstern m	geaster

Erdwurzel f	root
Erhaltungsspross m	essential shoot (the shoot in direct line from the germ-axis to the flower)
Erle f	alder
Ernährungspross m	innovation shoot
Ernährungssubstanz f	trophoplasm, nutritive material
Ersatzfaser f	substitute fiber
Ersatzfaserzelle f	substitute fiber
Ersatzgipfel m	substitute tree top
Erschütterungsreiz m	contact stimulus, seismonasty
Erstärkung f	primary growth in thickness
Erstarrungspunkt m	point at which rigor sets in
Erstlingsblatt n	primary leaf
Ertragsfähigkeit f	productivity
Ertragsvermögen n	yielding power
erzwungen a	induced
Esche f	ash, *Fraxinus* sp.
Esparsette f	*Onobrychis* sp.
Espe f	aspen, *Populus* sp.
Essigsäure f	acetic acid
Etagencambium n	cambium with a single initial layer
Etagenwuchs m	growth in tiers
Excretbehälter m	excretion container

F

Fächel m	rhipidium
Fach n	loculus
fächerig a	loculate
Fächerstrahl m	segment of labelliform leaf
fachspaltig a	loculicidal
Fackelbaum m	marsh elder
Fackeldiestelgewächse n pl	Carbaceae
Fädchensubstanz f	filar substance
Faden m	linin, thread, filament

Fadenflechte f	filamentous lichen
fadenförmig a	filamentous
Fadenkeimung f	germination by a germtube
Fadenpilz m	Eumycete
Fadenplasma n	filar substance
Fadenplasmodium n	filamentous plasmodium
Fadenranke f	axial branch, tendril
Fadenscheide f	sheath enclosing swarmspore
Fahne f	standard
Fallfrucht f	deciduous fruit, windfall
Fällungsvermögen n	ability to cause precipitation
falscher Kern m	false heartwood
falscher Splint m	false sapwood
Faltenschwamm m	*Helvella crispa*
Falterblumen f pl	Psychophilae
Faltung der Blätter f	vernation
Familienforschung f	genealogical history
Fangbaum m	trap tree
Fangborste f	prehensile bristle
Fanghaar n	glandular hair, tentacle
Fangpflanze f	trap plant
Farbabänderung f	change of color
Farbholz n	colorwood (between splint and heart)
farblos a	achromatic
Farn m	fern
Farnblattaderung f	fernfrond venation
Farnkraut n	fern
Faser f	fiber
faserartig a	fibrous, grained
Faserbaum m	*Rhamnus Frangula, Prunus padus*
Faserborke f	bark consisting largely of fibers
Fasergrübchen n	sterile scaphidium, cryptostomate
Fasertracheide f	fiber tracheid

Faserwurzel f	fibrous root
Faulkern m	heartrot
Fäulnisbewohner m	saprophyte
Federchen n	plumule
Federgras n	feather grass, *Stipa pinnata*
Federharz n	india rubber
Federkelch m	pappus
Federkraft f	elasticity
Fegeapparat m	stylar brush
Fegehaar n	stylar hair
Feigbohne f	lupine
Feige f	fig
Feigenfrucht f	syconium, fig-fruit
Feigwurz f	*Ficaria* sp.
feinfaserig a	fine-grained
Feinheit f	closeness (of grain in wood)
Feldbeifuss m	wormwood, *Artemisia campestris*
Felderung f	division into areas
Feldrüster f	English elm, *Ulmus campestris*
Felsenkirsche f	*Prunus mahaleb*
Fettbaum m	fat-tree
Fettbildner m	elaioplast
Fetthenne f	stonecrop, *Sedum telephium*
Fettpflanze f	succulent plant
Fettplatte f	plastid (in protoplasm of the Peridineae)
fibröse Schicht der Anthere f	endothecium
Fibrovasalbündel n	fibrovascular bundle
Fibrovasalstrang m	fibrovascular strand
Fichte f	spruce, *Picea* sp.
fiederförmig a	pinnate
Fiederpalme f	palm with pinnatifid leaves
fiederspaltig a	pinnate
Filarmasse f	filar protoplasm
Filz m	tomentum

Filzalge f	simple or branched algal growth attached to a substratum
Filzgewebe n	fungus tissue
Filzhaar n	felted or woolly hair
filzig a	tomentose
filzig verflochten a	felted
fingerförmig a	digitate
fingerig a	digitate
Fingerhut m	foxglove, *Digitalis* sp.
Fingerkraut n	Potentilla sp.
Fioringras n	bent grass *Agrostis* sp.
Fischölseife f	fish-oil soap
Fixiermittel n	fixative
flacharmig a	flat armed (cells of spongy parenchyma)
Flachblatt n	flat leaf
flache Knospenlage f	straight vernation
Fläche f	facet, area
flächenständige Samenanlage f	parietal placenta
Flächenstellung f	epistrophy
Flachspross m	cladode, phylloclad
Flachsprossgewächs n	phylloclad
Flachsseide f	dodder, *Cuscuta epilinum*
Flachwunde f	surface wound
flachwurzelig a	shallow rooted
flaschenförmig a	lageniform, flask-shaped
flaumhaarig a	pubescent
Flechte f	lichen
Fledermausblütler m	flower pollinated by bats
Fleischhaut f	sarcocarp
fleischig a	carnose, fleshy
fleischwarzig a	papillose
Flieder m	lilac, *Syringa* sp.
Fliegenblume f	flower pollinated by dipterous insects

Flimmerbewegung f	vibrating movement
Flimmergeissel f	fimbricate cilia
Flockenblume f	star thistle, *Centaurea scabiosa*
Florenreich n	flora
Flugbrand m	loose smut
Flügel m	wing, ala
Flügelfrucht f	samara
Flugfrüchtler m	plant producing winged seeds
Flügelrand m	edge of vagina (Isoëtes)
Fluggewebe n	tissue for aiding in wind dissemination
Flugorgan n	organ for aiding in wind dissemination
flutendes Moos n	submerged moss
Föhre f	pine, fir
Folgeblatt n	metaphyll
Folgemeristem n	secondary meristem
Formgattung f	form species
Formationsglied n	subtype, association
Formationsgruppe	formation (e.g. meadow)
Formationsklasse f	vegetation type
formativer Stoff m	building material
formatives Cytoplasma n	kinoplasm, cytoplasm giving rise to spindle in cell division
formatives Wachstum n	morphogenic growth
Formelement n	structural element
Formveränderung f	modification
Fortleitung f	propagation
Fortpflanzung f	reproduction
Fortsätze, m pl	the processes between the teeth of the peristome of mosses
freibeweglich a	motile
Fremdbestäubung f	allogamy
Frischgewicht n	green weight, fresh weight
Froschbiss m	frog's bit, *Hydrocharis* sp.

Froschlöffel m	water plantain, *Alisma plantago*
Frostblase f	frost blister
Frucht f	fruit
fruchtbar a	fertile
Fruchtbecher m	cupule
Fruchtbehälter m	conceptacle
Fruchtblatt n	carpel, macrosporophyll
Fruchtboden m	receptacle
Fruchtbrand m	head-smut
Früchtchen n	single part of apocarpous fruit
Fruchtfach n	locule
Fruchthäufchen n	sorus
Fruchthaut f	pericarp
Fruchthülle f	receptacle of Bryophytes
Fruchthypha f	paraphysis
Fruchtkapsel f	sporocarp
Fruchtkätzchen n	catkin
Fruchtkelch m	calyx (Bryophytes)
Fruchtklappe f	valve (Bryophytes)
Fruchtknöllchen n	archegoniophore (of Anogramme
Fruchtknopf m	venter of archegonium
Fruchtknoten m	ovary
Fruchtkörper m	fruit body
Fruchtkörperanlage f	young fructification, primordium of fruit body, receptacle
Fruchtlager n	hymenium
Fruchtsäulchen n	columella
Fruchtschale	pericarp
Fruchtscheibe f	hymenium
Fruchtschnabel m	beak
Fruchtschuppe f	cone scale
Fruchtschwanz m	cauda
Fruchtstand m	fructification
Fruchtstiel m	seta of moss, pedicel

Fruchtträger m	sporophore of fungi
Fruchtungskern m	fertilized egg, syncarpium, fusion nucleus
Fruchtungsvermögen n	fertility
Fruchtwand f	pericarp
Fruchtwechsel m	crop rotation
Frühholz n	spring wood
Frühlingsholz n	spring wood
Frühlingskreuzkraut n	groundsel, *Senecio vernalis*
Frühtreiberei f	forcing
Fuchsschwanz m	foxtail grass, *Alopecurus* sp.
Fuchsschwanzgewächse n pl	Amaranthaceae
Fuchsschwanzgräser n pl	Alopecuroidae
Fugenfläche f	commissure
Fühlborste f	tactile bristle
Fühlhaar n	tactile hair
Fühlpapilla f	tactile papilla
Fühltüpfel m	tactile pit
Füllgewebe n	plerome
Füllgewebe der Lenticelle n	complementary tissue of lenticel, chloriphelloid
Füllung der Blüte f	increase in the showy part of a flower
Füllung der Träger f	filling between the girdles
Füllzelle f	complementary cell
fussförmig a	pedate
fussnervig a	pedately veined
Fussstock m	basal portion of foot of hair
Futterbohne f	horse bean
Futtergewächs n	forage plant
Futterhaar n	feeding hair (in orchids)
Futterrübe f	turnip

G

Gabel f	fork, dichotomous tendril
Gabelbasidium n	forking basidium
gabelförmig a	forked, dichotomous

Gabelhaar n	branching hair
Gabelung f	dichotomy, forking
Gabelzotte f	shaggy forking hair
Gagelgewächse n pl	Myricaceae
Gallenblüte f	gall flower
Gallenholz n	gall in wood
Gallenrinde f	epidermis of gall
gallertartig a	gelatinous
Gallertflechte f	gelatinous lichen
Gallerthülle f	gelatinous sheath
Gallertsäure f	pectic acid
Gallertspore f	gelatinous spore
Gallerstiel n	gelatinous stalk (diatoms)
Gallussäure f	gallic acid
Gänseblume f	daisy
Gänsedistel f	sow thistle, *Sonchus* sp.
Gänsefuss m	pigweed, *Chenopodium album*
Gänsefussgewächse n pl	Chenopodiaceae
Ganzholz n	round timber
ganzrandig a	entire-margined
Ganzschmarotzer m	holo-parasite
Gartenbau m	horticulture, landscape gardening
Gartendistel f	artichoke, *Cynara* sp.
Gartenkerbel m	chervil, *Anthriscus cerefolium*
Gartenkresse f	pepper grass, *Lepidium sativum*
Gärung f	fermentation
Gasentbindungsflasche f	gas generator
Gattung f	genus
Gattungsbastard m	genus hybrid
Gauchheil n	*Anagallis arvensis*, *Prunella vulgaris*
Gaumen m	palate
geadert a	veined
Geäst n	branches
gebirgskammähnlich a	serrate

gebuckelt a	umbonate
Gebüsch n	shrubbery, brush
gedrängt a	crowded
gedrängter Rasenbildner m	plants growing in dense non-spreading clumps
gedreht a	contorted
gedreit (Blatt) a	trifoliate
gefächerter Fruchtknoten m	chambered ovary
gefaltete Knospenlage f	plicate vernation
Gefässbau m	vascular structure
Gefässbündel n	vascular bundle
Gefässbündelscheide f	bundlesheath
Gefässbündelverlauf m	course of vascular bundles
Gefässglied n	individual cell of a vessel
Gefässpflanze f	vascular plant
Gefässteil m	hadrome
gefiedert a	pinnate
gefingert a	digitate
geflammt a	mottled
geflammter Holzkörper m	the watered, rippled or flame-like grouping of wood elements
Geflecht n	plexus
gefranzt a	fimbriated, fringed
Gefrierpunkt m	freezing point
Gefrierpunktserniedrigung f	lowering of freezing point
Gefüge n	texture
gefüllte Blüte f	double flower
gefurcht a	sulcate
Gegenfärbung f	contrast staining
Gegenfüsslerin f	antipode
gegenläufig a	anatropous
gegenständig a	opposite
gegittert a	cancellate, latticed
gegliedert a	articulate
gegürtelt a	zonate
gehäuft a	aggregate

Gehäuse n	perithecium
Gehilfin f	synergid
Gehölz n	wood, woodland
geigenförmig a	panduriform
Geilstelle f	area of rank growth
Geissblatt n	honeysuckle, *Lonicera* sp.
Geissblattgewächse n pl	Caprifoliaceae
Geissel f	cilium
Geisselbüschel n	cluster of cilia
Geissfusspfropfen n	cleft grafting
Geissraute f	*Galega officinalis*
gekerbt a	crenate
geknickt a	geniculate
gekoppeltes Merkmal n	linked character
gekreuzt a	decussate
gekrümmt a	campylotropous
gelappt a	lobed
Gelbklee m	alsike clover
Gelbkraut n	*Reseda Luteola*
Gelbsprenkelung f	aurigo
Geleitzelle f	companion cell
gelenkig a	articulate
Gelenkknoten m	joint-like node
Gelenkpolster n	pulvinus
Gelenkstreifen m	hinge cell (in grass leaf)
Gelenkzelle f	hinge cell
gemeinjährig a	mean-annual
gemischt a	diffused, mixed
gemischte Knospe f	mixed bud
Gemüse n	vegetable
genabelt a	umbilicate
Generationswechsel m	alternation of generations, pleomorphy
genetische Spirale f	ground spiral
Genossenschaft f	ecologic group
geradläufig a	orthotropous
gerandet a	emarginate

Gerberstrauchgewächse n pl	Coriariaceae
Gerbsäure f	tannic acid
Gerbstoffbehälter m	tannin sac
Gerbstoffschlauch m	tannin sac
Gerbstoffzelle f	tannin cell
geringelt a	annular
gerinnelt a	canaliculate
gerippt a	costate
Germer m	false hellebore, *Veratrum album*
Gerste f	barley
Gerstenflugbrand m	covered smut of barley
Gerüst n	reticulum
Gerüsttheorie f	reticular theory
gesägt a	serrate
Gesamtendoderm f	endoderm surrounding entire stele
geschichtet a	stratified
geschindelte Knospendeckung f	imbricate aestivation
geschlängelt a	tortuous
Geschlechterspaltung f	separation of sex
Geschlechterumschlag m	alternation of sex among unisexual plants
geschlechtliche Fortpflanzung f	sexual reproduction
geschlechtsbegrenzt a	sex-linked
Geschlechtsumschlag m	alternation of sex among unisexual plants
geschlossen a	crowded, dense
geschlossenes Gefässbündel n	closed bundle
geschlossenes Polster n	dense cushion
Geschwisterkreuzung f	adelphogamy, sib-mating
gesellige Pflanze f	gregarious plant
gespalten a	fissile
gespreiztarmig a	spreading (spongy parenchyma cells)

gesprenkelt a	adspersed
Gestaltung f	formation
gestauchter Kurztrieb m	short shoot
Gesteinaufschliessung f	the rendering available of rock material for plant growth
Gesteinpflanze f	plant growing on rocks
gestielt a	pedunculate, stipitate
Gesträuch n	shrubbery, bushes
gestreift a	striate
gestrichelt a	linear
Gestrüpp n	bushes, tangled growth
geteilt a	parted
Getrenntgeschlechtigkeit f	dicliny
Getreidebrand m	cereal smut
Getreiderost m	cereal rust
getrenntläufiges Gefässbündel n	bundle running separately without fusion with others
getropft a	guttate
getüpfelt a	pitted, punctate
Gewächshaus n	greenhouse
Gewächskunde f	botany
Gewebe n	tissue
Gewebelehre f	histology
Gewebespannung f	tissue tension
Gewebeverband m	tissue
Gewohnheitsrasse f	biologic species
gewunden a	contorted
gewürfelt a	tasselate
gezähnt a	denticulate, dentate
Gezweige n	aggregate of branches
Giesskannenschimmel m	fungus with conidia in chains on short conidiophores radiating from a swollen head
Giftlattich m	*Lactuca virosa*
Ginster m	*Genista* sp:
Gipfel m	summit, treetop, apex

Gipfelblüte f	terminal flower
Gipfeldürre f	dying of treetops, stagheadedness
gipfelförmig a	fastigiate
Gipfelholz n	top branches or twigs
Gipfeltrieb m	leader
gitterförmig a	retiform, trellised
Gittertüpfel m	closely crowded pits
Glanzgras n	canary grass, *Phalaris* sp.
glasartig a	vitreous
glasig a	hyaline
glatt a	glabrous, smooth
gleichfarbig a	concolor
Gleitbewegung f	sliding motion
gleitendes Wachstum n	gliding growth
Gliederfrucht f	loment
Gliederhaar n	articulate hair
Gliederhülse f	loment
Gliederschote f	biloment
Gliederzelle f	articulate cell
Glockenblume f	bellflower, *Campanula* sp.
Glockenblumengewächse n pl	Campanulaceae
Gnadenkraut n	hedge hyssop, *Gratiola* sp.
Goldhafer m	*Avena flavescens*
Goldregen m	broom, *Cytisus laburnum*
Goldrute f	goldenrod, *Solidago* sp.
Götterbaum m	tree of heaven, *Ailanthus glandulosa*
Granatapfelgewächse n pl	Punicaceae
Granne f	awn
Grasblattpolster n	node
Grasebene f	savanna
Gräser n pl	Gramineae
Grasflur f	mountain park
Grasfrucht f	caryopsis
Grasheide f	prairie
Grasmoor n	lowland meadow

Grasnarbe f	turf
Grassteppe f	prairie, savanna
Graswurzel f	quack grass, *Agropyron repens*
Grenzhäutchen n	tertiary lamella, inner layer of cell wall
Grenzkoncentration f	threshold concentration
Grenzschicht der Samenanlage f	innermost cell layer of nucellus (of sympetalous dicots)
Grenzzelle f	heterocyst
Griff m	adhesive disk
Griffel m	style
Griffelbürste f	stylar brush
Griffelkanal m	conductive tissue of style
Griffelpolster n	stylopod
Griffelsäule f	column, style
Griffelzelle f	manubrium
Griffzelle f	external tubular cell (*Chara*)
Grinde f	bog
grobfaserig a	coarse-grained
grossgrübig a	lacunate
Grossspore f	macrospore
Grübchen n	small pit
Grube f	fovea
Grünästung f	heading in of green branches
Grünblütigkeit f	chloranthy
Grundachse f	rhizome
Grundeigenschaft f	fundamental character
Grundfeste f	hawk's beard, *Crepis virens*
Grundfeuchtigkeit f	soil moisture
Grundform f	original type, fundamental type
Grundgewebe n	fundamental tissue
Grundmeristem n	fundamental meristem
Grundprotoplasm n	ground substance of protoplasm
Grundquadrat n	endothecium
Grundspirale f	genetic spiral

grundständig a	sessile
grundständige Placenta f	free central placenta
Grundwasserspiegel m	water table
grüner Halbschmarotzer m	semi-parasite
Grünfäule f	green rot
Grünholz n	green heart
Grünlandsmoor n	fen
Gummifluss m	gummosis
Gummiharz n	gum-resin
Gurke f	cucumber
Gürtelschorf m	zonate deep scab
Gurtung f	girdle

H

haarfaserig a	filamentous
Haarflieger m	seeds or fruits with hairlike flying organs
haarförmig a	piliform
Haargeflecht n	capillitium
Haargitter n	nectar guide, barrier to pollenrobbers
Haargrübchen n	crypto-stomate
haarig a	pilose
Haarkelch m	pappus
Haarreuse f	nectar guide
Haarstrang m	*Peucedanum officinale*
Habichtskraut n	hawk weed
hadrocentrisches Gefässbündel n	amphicribral bundle
Hafer m	oats
Haferbrand m	oat smut
Hafergras n	oat grass
Haferwurzel f	salsify
Haftballen m	adhesive disk
Haftblase f	appressorium
Haftdolde f	*Turgenia latifolia*
Haftdruck m	adhesive pressure

Haftfaser f	rhizoid
Haftorgan n	holdfast, appressorium
Haftscheibe f	adhesive disk, discoid holdfast, sucker
Haftscheibenranke f	tendril terminating in an adhesive disk
Haftwurzel f	holdfast, rhizoid, anchoring root
Hagebuche f	hornbeam, *Carpinus* sp.
Hahnenfuss m	buttercup, *Ranunculus* sp.
Hahnenkamm m	*Alectorolophus minor*
Haidekraut n	heather, *Calluna* sp.
Hainbuche f	hornbeam, *Carpinus* sp.
Hakenhaar n	hooked hair, barbed hair
Hakenkiefer f	*Pinus uncinata*
Hakenkletterer m	plant climbing by means of modified thorns
Halbbürger m	denizen
Halbfach n	broad-leaved palm foliage
Halbfäulnisbewohner m	semi-saprophyte
Halbflechte f	semi-lichen
Halbfrucht f	semi-fruit (where axis forms part of the fruit) accessory fruit
Halbholz n	tree trunk split lengthwise
Halbkugel f	hemisphere
Halbschattenholzart f	semi-shade tree
Halbschmarotzer m	semi-parasite
Halbspaltpfropfen n	cleft grafting with split down one side
halbstielrund a	semi-terete
Halbstrauch m	undershrub
halbunterständig a	semi-inferous
halbwalzig a	semi-cylindrical
Halbwüste f	semi-desert
Halm m	culm, haulm
Halmfrucht f	cereal

Halmknoten m	node (of grass)
Hals m	neck, beak
Halskanalzelle f	neck canal cell
Halszelle f	neck cell
handförmig a	palmate
Handhabe f	manubrium
handnervig a	palmately veined
Hanf m	hemp
Hängeblütige (Pflanzen) f pl	Penduliflorae
hängend a	pendulous, weeping (willow)
hantelförmig a	dumbbell-shaped
Harnstoff m	urea
Hartbast m	hard bast, fibers and stone cells of cortex, phloem or pericycle
Hartlaubgehölz n	hardwood trees
Hartriegel m	dogwood, *Cornus* sp.
Hartriegelgewächse n pl	Cornaceae
Hartschale f	intine of oöspore
Hartschicht f	stony layer of seed testa
Harzbehälter m	resin canal
Harzbeule f	resin lake, bubble, or cavity
Harzdrüse f	resin gland
Harzfichte f	pitch pine, *Pinus* sp.
Harzfluss m	resinosis
harzig a	resinous
Harzröhre f	resin duct
Harzzelle f	resin cell or cavity
Haselnuss f	filbert, *Corylus* sp.
Haselwurz f	wild ginger, *Asarum europaeum*
Hasenklee m	trefoil
Hasenkohl m	wood sorrel, *Oxalis acetosella*
Haube f	calyptra
Hauptachse f	main axis
Hauptachselproduct n	leader

Hauptformation f	formation
Hauptholzart f	prevailing species
Hauptkeimbahn f	principal germtrack
Hauptnerv m	main vein, midvein
Hauptrippe f	midrib, primary rib
Hauptschnitt m	median longitudinal cut
Hauptspross m	leader
Haupttrieb m	leading shoot
Hauptwurzel f	tap root, main root
Hausschwamm m	dry rot fungus
Hautbildungsgewebe n	dermatogen
Hautdrüse f	integumental gland, epidermal gland
Hautfetzen m	scale
Hautgelenk n	hinge
Hautgewebe n	dermal tissue
häutig a	membranous
Hautschicht f	plasma membrane
Hautsystem n	dermal tissue
Heckenholz n	dwarfed wood
Hefe f	yeast
Hefesprossung f	yeast-like budding
Heide f	heather
Heidekrautgewächse n pl	Ericaceae
Heidelbeere f	billberry, blueberry, huckleberry
Heissluftbeize f	hot air treatment
Heisswasserbeize f	hot water treatment
Heidemoor n	peat bog
Heidetorf m	peat
Hemmungsbildung f	hypoplasia
Herbstholz n	summer-wood
Herbstlaubfall m	autumnal leafdrop
Herbstlöwenzahn m	fall dandelion, *Leontodon autumnale*
Herbstrose f	hollyhock
Herbstzeitlose f	meadow saffron, *Colchicum autumnale*

Herkunft f	origine
herzförmig a	cordate
Herzwurzel f	tap root
heteroplastische Entwicklung f	indirect development
heteroplastische Luftknolle f	aerial tuber consisting of one internode only
heterogene Zeugung f	heterogenesis
heterogenische Befruchtung f	cross fertilization
heterogenische Bestäubung f	cross pollination
heterogenische Variation f	mutation
Hexenbesen m	witch's broom
Hexenring m	fairy ring
Hibernakel m	winterbud of water plant
Himbeere f	raspberry, *Rubus* sp.
Himmelsgerste f	naked barley
Himmelsleitergewächse n pl	Polemoniaceae
Himmelsschlüssel m	primrose, *Primula* sp.
hinter-, a	postical
Hinterhof m	inner cavity (of stomate)
hintumläufig a	opisthodromous
Hiobsträne f	*Coix lacryma*
Hirnfläche f	cross section
hirschgeweihartig a	antler-shaped
Hirse f	*Panicum* sp.
Hirtentäschel n	penny cress, *Thlaspi arvensis*
Hitzelaubfall m	leafdrop due to heat
Hochblatt n	hypsophyll, bract, spathe, subtending leaf
hochblattartig a	bracteal
Hochblattregion f	bracteal region
Hochblattstamm m	thalamus
Hochkultur f	culture of fungus at optimum state for taxonomic study
Hochmoor n	sphagnum bog, high moor
Hochstaudenverein m	meadow occupied by dicots
Hochwald m	forest

Hochzucht f	selection inside of a pure line
höckerig a	tuberculate
Hof m	area (Isoetes)
Hoftüpfel m	bordered pit
Höhentrieb m	annual height increment
Hohldruck m	fossil, cast
Hohlschuppe f	scales in throat of corolla
Hollunder m	elder, *Sambucus* sp.
Holz n	timber, wood, xylem
Holzader f	vein of wood
Holzapfel m	crab apple
holzartig a	ligneous
Holzaschenlauge f	lye
Holzelement n	xylem element
hölzern a	ligneous
Holzfaser f	wood fiber
Holzgewächs n	woody plant
Holzkirsche f	wild cherry
Holzkörper m	xylem
Holzlamella f	lignified lamella
Holzmarkstrahl m	medullary ray in wood
Holzpflanze f	woody plant
Holzpore f	vessel
Holzrose f	type of gall, woodrose
Holzstaude f	low woody plant with annual flowering shoot
Holzteerbrühe f	wood-tar
Holzzelle f	tracheid
homokline Bestäubung f	autogamy
Honigblatt n	nectary
Honigblume f	nectar-bearing flowers without colored perianth
Honigdrüse f	nectary
Honiggras n	velvet grass, *Holcus lanatus*
Honigkrug m	honeycup
Honigtau m	honey dew
Hopfen m	hop

Hopfenbuche f	hophornbeam, *Ostrya* sp.
Hornendosperm n	horny endosperm
Hornklee m	bird's-foot trefoil, *Lotus corniculatus*
Horst m	small woodlot
Hüllblatt n	involucral leaf, rosette (in mosses)
Hüllblättchen n	involucral leaf
hüllblätterig a	involucral
Hüllchen n	involucrum
Hülle f	integument, involucre, peridium
hüllförmig a	involucriform
Hüllfrucht f	angiocarp
Hüllgewebe n	periblem
Hüllkätzchenträger m	cupuliferous plant
Hüllkelch m	involucre, calyculus
Hüllschläuche m pl	spiral jacket cells (of oögonium in Chara)
Hüllspelze f	empty glume
hüllständig a	involucral
Hülse f	legume
Hülsenbaum m	locust tree
Hülsenfrüchtler m pl	Leguminosae
Hülsengewächs n	leguminous plant
Hülsenkranz m	involucre of husks
Hülsenträger m pl	Leguminosae
Hummelblume f	flower pollinated by bumble bees
Humusanzeiger m	plant which requires organic material in the soil
Humusbewohner m	plant growing on humus soil
Humuszehrer m	plant growing on humus
Hundsdolde f, Hundsgleisse f	fool's parsley, *Aethusa cynapium*
Hundskamille f	chamomile, *Anthemis Cotula*
Hundsrose f	wild brier, dog rose

Hundswürger m	Cynanchum vincetoxicum
Hundszunge f	hounds's tongue, *Cynoglossum officinale*
Hungerstoffwechsel m	metabolism during starvation of plant
Hut m	pileus, cap
Hutoberfläche f	surface of pileus
Hutpilz m	mushroom
Hydathodenstrom m	excretion current
hydrostatischer Druck m	cell turgor, hydrostatic pressure
Hymenialdrüse f	cystidium
Hymenopterenblume f	flower pollinated by bees
Hyphengewebe n	plectenchyma
Hyphenhaut f	membrane of hyphal tissue
Hyphenschlauch m	hyphal tube
Hyphensprossung f	hyphal budding
hypothalisches Anhangsorgan n	a form of prothallus

I

Igelsamen n	stickseed, *Echinospermum Lappula*
Ikterus m	chlorosis
Imbibitionsbewegung f	imbibition movement
Immenfalterblume f	flower pollinated by bees or butterflies
immergrüner Laubwald m	evergreen angiosperm forest
Impressionszeit f	presentation time
Individualzüchtung f	individual selection
indoloider Blumenduft m	flower odor derived from decomposition of nitrogenous substances
Inductionszeit f	latent period of induction, the time required to take up a stimulus and respond to it
Infectionsfaden m	infection hypha, germtube

Infectionsschlauch m	infection thread
Initiale f	apical cell
Initialstrang m	procambial strand
Initialzelle f	initial cell
Inkarnatklee m	crimson clover, *Trifolium incarnatum*
Innengalle f	inner tissue of highly specialized gall
Innenhaut f	middle lamella
Innenrinde f	secondary bark, phloem containing periderm layers, secondary 'cortex'
innenwendige Samenanlage f	introrse ovule
innere Anpassung f	physiological adaptation
innere Atemhöhle f	inner stomatal cavity
innere Ausgestaltung f	internal development
innere Plasmahaut f	vacuolar membrane, tonoplast
innere Streifung f	internal striation (of epidermal wall)
inneres Wachstum n	formative growth
Insektenblütler m pl	Entomogamae
insektenfressend a	carnivorous
Insektentäuschblume f	flower attracting insects by false nectaries
Insertionsfläche f	plane of insertion
Intercostalfeld n	intercostal plain
Interfilarmasse f	filar sustance
interponiert a	interpolated
Interspecialkampf m	interspecies struggle
Interstitialstreifen m	interstice, small intercellular space
Inversionsgeschwindigkeit f	inversion velocity
Inzucht f	endogamy, inbreeding

J

Jahresperiode f	annual period of growth, present year's growth

Jahresring m	annual ring
Jahrestrieb m	present year's growth
Jahreszuwachs m	annual growth
Johannisbeere f	currant
Johanniskraut n	St. John's wort, *Hypericum perforatum*
Johannistrieb m	rapidly growing shoot developing from the present year's buds after a short period of rest
Jugend f	the life of a plant from time of germination to flowering
Jugendblatt n	protophyll, leaf of seedling form
Jugendform f	juvenile form
Jungkultur f	a young culture (of fungi, etc.)

K

German words of Latin or Greek derivation beginning with Ka, Ko, or Ku, if not found here, should be looked for under the letter C.

Käferblume f	flower pollinated by beetles
Kahlhiebwirtschaft f	clear-cutting system
Kahmhaut f	zoögloea
Kalk m	lime
Kalkausfüllung f	plug of lime
Kalkboden m	calcareous soil
Kalkdrüse f	chalk gland
kalkmeidend a	avoiding calcareous soil
Kalkmilch f	milk of lime
Kalkzeiger m	plant indicating by its soil preference limy soil
Kältereiz m	low temperature stimulus
Kältestarre f	rigor due to low temperature
Kalthefe f	wild yeast
Kamille f (unechte)	*Pyrethrum inodorum*

Kamin m	chimney (of xerophytic stomate)
Kamm m	crest
Kammerfaser f	septate fiber
Kammerwand f	trama plate
Kampf ums Dasein	struggle for existence
Kanne f	pitcher, ascidium
Kannenpflanze f	pitcher plant
Kantholz n	squared timber
kantig a	angular
Kapitalist m	insect-pollinated plant
kappenförmig a	cucullate
Kappenzelle f	cap-cell (of archegonium or antheridium)
Kapsel f	capsule
Kapselhals m	apophysis
kapuzenförmig a	hoodlike
Kapuzinerkresse f	*Tropaeolum majus*
Karbolsäure f	phenol, carbolic acid
Karde f	teasel, *Dipsacus* sp.
Kardengewächse n pl	Dipsacaceae
Kartoffel f	potato
Kartoffelschorf m	potato scab
Käsepappel f	mallow, *Malva sylvestris*
Käsepappelgewächse n pl	Malvaceae
Kastanie f	chestnut, Castanea
Kataphylla	bract
Kataplasia f	hypertrophy which is not due to overnutrition
Kataplasma n	cataplastic gall
kataplastisch a	cataplastic
Kätzchen n	ament, catkin
kätzchenblätterig a	amentiferous
Kätzchenform f	catkin-like form
Katzenklee m	rabbit foot, *Trifolium arvense*
Katzenminze f	catnip, *Nepeta* sp.

kegelförmig a	conical
Keilpfropfen n	cleft-grafting
Keim m	embryo, germ
Keimbahn f	germtrack
Keimbläschen n	egg apparatus
Keimblatt n	cotyledon
keimblattlos a	acotyledonous
Keimblattstamm m	fundament
Keimchen n	gemmule
Keimdauer f	duration of germination
keimen v	to germinate
Keimfähigkeit f	capability of germination, viability
Keimgewebe n	nucellus
Keimhaut f	plastoderm
Keimkern m	nucleus of fertilized egg
Keimknospe f	ovule
Keimkorn n	brood cell (liverworts)
Keimkraft f	germinative power
Keimling m	seedling
Keimmund m	micropyle
Keimmundnarbe f	cicatricula
Keimpflanze f	seedling, embryo
Keimplasma n	germplasm
Keimpore f	germpore
Keimprüfung f	germination test
Keimsack m	embryosac
Keimscheibe f	germ disk
Keimscheide f	coleoptile
Keimschlauch m	germ tube
Keimstück n	outer wall of a protonema
keimtötend a	germicidal
Keimung	germination
keimungauslösend a	releasing the process of germination
Keimungsbedingung f	condition required for germination

Keimverzug m	delayed germination
Keimwurzel f	radicle
Keimzelle f	germ cell
Kelch m	calyx
Kelchabschnitt m	calyx lobe
Kelchachsensporn m	spur of calyx
Kelchbecher m	receptacle of perigynous flower
Kelchblatt n	sepal
Kelcheinsatz m	insertion of calyx
Kelchröhre f	calyx tube
Kelchsaum m	lobe of gamosepalous calyx
Keratenchym n	obliterated sievetube strands in secondary phloem
Kermesbeere f	poke weed *Phytolacca* sp.
Kermesbeerengewächse n pl	Phytolaccaceae
Kern m	nucleus
Kernfaden m	nuclear thread, chromatin thread
kernfaul a	rotten at the core
Kernfrucht f	seedfruit of apples
Kerngerüst n	nuclear reticulum
Kernhauskammer f	locule, chamber of ovary
Kernhöhle f	nuclear vacuole
Kernholz n	heartwood
Kernkörperchen n	nucleolus
Kernpaarung f	pairing of nuclei
Kernplatte f	aequatorial plate
Kernsaft m	nuclear sap
Kernscheide f	endodermis
Kernspindel f	nuclear spindle
Kernstäbchen n	chromosome
Kernteilung f	nuclear division
Kerntonne f	spindle-rest
Kernübertritt m	nuclear migration
Kernverschmelzung f	nuclear fusion
Kernwand f	nuclear membrane

Kernwarze f	tip of nucellus
Kesselfallenblume f	flower which is an insect trap
keulenförmig a	clubshaped
Keulenhaar n	clavate hair
Keulenpapillum	clavate papillum
Kiefer f	pine
Kiefergehölz n	pine grove
Kiefernblasenrost m	blister rust of pine
Kiemenbüschel n	respiratory organs of certain water plants
Kieselalge f	diatom
Kieselanzeiger m	plant indicating by its soil preference gravelly soil
Kieselgur f	siliceous earth
Kieselkörper m	siliceous crystals
Kieselsäure f	siliceous acid
Kieselscheide f	spore membrane of diatoms
Kieselskelett n	siliceous skeleton
kinetisches Zentrum n	centrosphere, centrosomes
Kinn n	mentum (of orchid flower)
Kirsche f	cherry
Kittschicht f	connective layer between graft and scion
Klammerepithel n	bracket epithelium
Klammerzelle f	bracket cell, anchor cell, bracing cell
Klappe f	flap, valve, theca
klappenspaltig a	loculicidal
Klapperrose f	corn poppy, *Papaver Rhoeas*
Klappertopf m	*Alectorolophus minor*
Klatschrose f	corn poppy, *Papaver Rhoeas*
Klause f	chamber in ovule (due to false partitions)
Klebekorn n	desmochondrium, microsome
Kleberschicht f	aleuron layer
Klebkraut n	bedstraw, *Galium* sp.
Klebmasse f	glandula (in orchid or milkweed flower)

Klebscheibe f	adhesive disk
Klee m	clover
Kleesäure f	oxalic acid
Kleinbestand m	woodlot
Kleinbienenblume f	flower pollinated by small bees
Kleinfliegenblume f	flower pollinated by small flies
Kleinkerfblume f	flower pollinated by small insects of various orders
Kleinlebewesen n	micro-organism
Kleinspecies f	monotype, monotypic genus
Kleinspore f	microspore
Klemmfallenblume f	flower (of milkweed) having a retinaculum
Klemmkörper m	retinaculum
Klette f	burr
Klettenpflanze f	plant with hooked hairs
Kletterhaken m, Kletterhaar n	hooked hair
Kletterklette f	climbing hair, emergence
Kletterpflanze f	liana, climber
Klettfrucht f	burr fruit
klimmen v	to climb
Klinghaar n	climbing hair
klinomorphes Organ n	inclined organ
Knast m	knot in wood
Knäuel m	glomerule, spireme
Knäuelform f	spireme
Knäuelkraut n	knawel, *Scleranthus* sp.
Knieholz n	shrubs or low trees, especially conifers
Knoblauch m	garlic
Knoblauchshederich m	*Celiaria officinalis*
Knochenzelle f	stone cell
Knöllchen n	root tubercle, bulblet
Knolle f	tuber
Knollenfäule f	tuber rot
knollig a	tuberous

Knopper f	fruit gall on oak
Knorpelcollenchym n	cartilaginous collenchyma
knorrig a	gnarled
Knöspchen n	plumule, small bud
Knospe f	bud
Knospendecke f	bud scale
Knospendeckung f	aestivation
Knospendrang m	blastomania
knospeneigenes Haar n	ephemeral hair
Knospengrund m	chalaza
Knospenhülle f	integument
Knospenkern m	nucellus
Knospenknöllchen n	budlike tuber
Knospenlage f	vernation
Knospenschuppe f	bud scale
Knospenträger m	funiculus
Knospenwarze f	nucellus
Knospenzwiebel f	bulbil, bulblet
Knötchen n	knob
Knoten m	node
Knotenhülle f	lodicule
Knotenscheibe f	disk of nodal cells
Knotenwurz f	figwort, *Scrophularia* sp.
Knotenzelle f	the cells underneath the egg cell in Chara
Knöterich m	knotweed, *Polygonum* sp.
Knöterichgewächse n pl	Polygonaceae
Kohl m	cabbage, *Brassica oleracea*
Kohlhernie f	clubroot of cabbage
Kohlrübe f	Swedish turnip
Kolben m	spadix, head, spike
Kolbenanhang m	appendage
Kolbenbrand m	cob smut
Kolibriblume f	flower pollinated by small birds
Kollerwuchs m	wide-spreading crown
Kolloidfällung f	colloid precipitation

Kommissuralsiebröhre f	commissural sieve tube
Kompressionsreiz m	compression stimulus
Koniferenholz n	gymnosperm wood
Königskerze f	mullein, *Verbascum Thapsus*
Köpfchen n	capitulum
Köpfchendiachasie f	botryose cyme
Köpfchenhaar n	capitate hair
Köpfchenrispe f	compound inflorescence of Compositae with no reference to morphological structure
Köpfchenschraubel f	botryose cyme
Köpfchensichel f	drepanium, a sickle-shaped cyme
Köpfchenspirre f	anthela (panicle of *Juncus*)
Köpfchenwickel m	cincinnus
köpfig a	capitate
Kopfkohl m	cabbage
Kopfschimmel m	mold
kopulieren v	to splice-graft
Korbblütler m pl	Compositae
Korkhaut f	periderm
Korkhöcker m	corky wart or knob
Korkkruste f	cork crust
Korkmutterschicht f	phellogen
Korksäure f	suberic acid
Korksucht f	formation of excessive amounts of cork
Korkwarze f	lenticel
Korkwucherung f	callus formation
Korkzelle f	cork cell
Korn n	chondria, seed, grain
Kornähre f	ear of corn, spike
Kornblume f	*Centaurea cyanus*
Körnchen n	granule, little grain
Körnchenflieger m	poppy type of seed
Körnchenschlauch m	cell containing crystal sand (calcium oxalate)

Körnerplasma m	granular plasm
Körnerüberzug m	granular cuticle
körnig a	granular
Kornrade f	corn cockle, *Agrostemma Githago*
Korntrespe f	cheat, *Bromus secalinus*
Kraftknospe f	a bud near the surface of the ground protected by false scales
Kraftspross m	shoot which elongates (indeterminate growth)
Kraftzweig m	shoot with indeterminate growth
Krallenranke f	clawlike holdfast or tendril
Krammenzelle f	anchor cell
krankheitswiderständig a	disease-resisting
Krappgewächse n pl	Rubiaceae
Kratzdistel f	common thistle, *Circium oleraceum*
kraus a	curly
Kräuselkrankheit f	curly leaf disease
Krauseminze f	curled mint, spearmint, *Mentha spicata*
Kraut n	herb, vine, weed
krautartig a	herbaceous
Krautflur f	meadow (of arctic region)
Krebs m	canker, cancer
kreiselförmig a	turbinate
kreisende Bewegung f	nutation movement
Kreislauf m	cycle
Kresse f	cress
Kreuzbefruchtung f	hybridization
Kreuzbestäubung f	cross pollination
Kreuzblümchen n	milkwort, *Polygala* sp.
Kreuzblumengewächse n pl	Polygalaceae
Kreuzblütlergewächse n pl	Cruciferae
Kreuzdorn m	buckthorn, *Rhamnus cathartica*

Kreuzdorngewächse n pl	Rhamnaceae
kreuzförmig a	cruciate
kreuzständig a	decussate
Kreuzung f	hybridization (crossing)
Kristallbehälter m	crystal-containing cell
Kristalldrüse f	druse, clustered crystals
Kristallfaser f	septate fiber containing crystals
Kristallkammerfaser f	septate fiber containing crystals
Kristallmehl n	crystal sand
Kristallnädelchen n	acicular crystal
Kristallsand m	crystal sand
Krönchen n	crown, para-corolla
Krone f	corolla
Kronenachsensporn m	spur (in the lip of orchid flower)
Kronenblatt n	petal
Kronenröhre f	tubular perianth
Kronenrost m	rust produced by Puccinia coronata
Kropf m	swelling, crop
Kropfhaar n	crop-hair, unicellular hair widened at base
Kropfmaser f	wen
krugförmig a	urceolate
krumm a	crooked, bent
krümmen v	to curve
Krummholz n	knee-timber, shrub pine, compass timber
Krummholzkiefer f	*Pinus pumila*
Krummholzzone f	timberline vegetation
krummläufig a	campylotropous
krumos a	friable
Krüppelform f	distorted form, dwarfed form
Krustenflechte f	crustaceous lichen
kuchenförmig a	placentiform

Kuckucksblumengewächse n pl	Orchidaceae
kugelig a	spherical, globose
Kugeltrieb m	globular shoot
Kuhblume f	marsh marigold, *Caltha* sp.
Kukabrühe f	Bordeaux mixture
Kümmel m	caraway, *Carum Carvi*
künstliche Zucktwahl f	artificial selection
Kupferkalkbrühe f	Bordeaux mixture
kuppenförmig a	dome-shaped
Kürbis m	pumpkin, gourd
Kürbisfrucht f	pepo
Kürbisgewächse n pl	Cucurbitaceae
Kirzstäbchen n	bacillus
Kurztrieb m	short shoot, brachyblast
Kutikularerhebung f	cuticular elevation

L

Labkraut n	bedstraw, *Galium* sp.
Lackmus m	litmus
Lacunargewebe n	trabecular tissue
Ladungsänderung f	change in potential
Lager n	thallus
Lagerpflanze f	Thallophyte
Laichkraut n	pondweed, *Potamogeton* sp.
Längenzuwachs m	height increment
länglich a	oblong
Längsdurchschnitt m	longitudinal section
längsgeteilt a	longitudinally or cruciately divided
längsläufig a	axiodromous
Längsspaltung f	longitudinal fission
langstaubfädig a	having long anthers
Längszerreissfähigkeit f	tensile strength
Langtrieb m	long shoot
lanzettförmig a	lanceolate
Lärche f	larch, *Larix* sp.

Lärchenharz n	Venetian turpentine
Lagunengebüsch n	herb and shrub vegetation of salt soil
lappenartig a	lobe-like
Laub n	foliage
Laubblatt n	foliage leaf
Laubfall m	defoliation
Laubflechte f	foliaceous lichen
Laubholz n	deciduous tree, foliage tree
Laubknospe f	leaf-bud
Laubsporophyll n	leafy sporophyll
Laubwald m	angiosperm forest
laubwechselnd a	deciduous
Laubwerk n	foliage
Laugeneiweiss n	basic protein
lebendiggebärend a	viviparous
Lebensäusserung f	manifestation of life
Lebensbaum m	arbor vitae, *Thuja* sp.
Lebensdauer f	longevity
Lebenseigenschaft f	a property of living matter
Lebensfähigkeit f	vitality, viability
Lebensgeschichte f	life history
Lebensholz n	lignum vitae, *Guaiacum sanctum*
Lebenskraft f	vitality
Lebensträger m	biophore
Leberklette f	agrimony, *Agrimonia* sp.
Lebermoos n	liverwort
Leberstärke f	glycogen
lederartig a	coriaceous
Lehm m	loam
leierförmig a	lyrate
Leimgewebe n	collenchyma
Leimzotte f	complex of glands
Leindotter m	false flax, *Camelina sativa*
Leingewächse n pl	Linaceae
Leinkraut n	toadflax, *Linaria vulgaris*

Leinöl n	linseed oil
Leinpflanze f	flax, *Linum* sp.
Leiste f	ridge, carina
Leistennetz n	cuticular projections (into epidermal cells)
Leitbündel n	vascular bundle
Leitbündelkryptogamen pl	vascular cryptogams
Leiter f	leader (applied to starch grains characteristic of a given plant)
leiterförmig a	scalariform
Leitergefäss n	scalariform element
Leitfähigkeit f	conductivity
Leitparenchym n	conductive parenchyma
Leitscheide f	mestome sheath
Leitung f	conduction
Leitungsgewebe n	conducting tissue
leptocentrisch a	amphivasal
Leptoparenchym n	phloem parenchyma
Leuchtmoos n	luminous moss
Libriformgewebe n	libriform tissue
Libroplast m	elaioplast
Lichtblatt n	heliophilous leaf
lichtfangend a	diaphototropic
Lichtgenuss m	relation of light absorption to intensity of daylight
Lichtholz n	light-loving tree
Lichtlage f	position in relation to light
Lichtreiz m	light stimulus
lichtscheu a	heliophobic
Lichtsinnesorgan n	organ sensitive to light
lichtvag a	aphotometric
lichtwendig a	phototropic
Liebesapfel m	tomato
liegend a	procumbent
liegende Markstrahlzelle f	horizontal medullary ray cell
Ligulargrube f	ligular pit

Liliengewächse n pl	Liliaceae
Lindausche Zelle f	primordium of apothecium
Lindenfrucht f	carcerule
Lindengewächse n pl	Tiliaceae
linksgedreht a	left-contorted
linksgriffelig a	aristerostylic
linkskreisende Pflanze f	left-hand climber
Linksspirale f	left spiral
Linse f	lentil, lens
linsenförmig a	lentiform
Lippe f	labellum
Lippenblüte f	labiate flower
Lippenblütler m pl	Labiatae
Löcherschwamm m	*Polyporus* sp.
Lode f	sprout
löffelförmig a	cochleariform
Löffelkraut n	scurvy grass
Lohkrankheit f	abnormal lenticel formation
Lolchgräser n pl	Loliae
Lorbeerbaum m	laurel, *Laurus nobilis*
Lorbeergewächse n pl	Lauraceae
Löslichkeitsbeeinflussung f	influence on solubility
Löslichkeitssteigerung f	increase of solubility
Loslösung f	separation of vegetative parts for reproduction
Losschnellende (Pflanzen) f pl	'Explodiflorae' (flowers which expel their pollen by explosive action)
Löwenmaul n	snapdragon, *Antirrhinum*
Löwenzahn m	dandelion, *Taraxacum officinale*
Lückencollenchym n	tubular collenchyma
Lückenparenchym n	spongy parenchyma
Luftdruck m	atmospheric pressure
Luftgang m	air canal
Luftgewebe n	aërenchyma
Lufthöhle f	air cavity

Luftkammer f	air canal
Luftkanal m	air canal
Luftknolle f	aërial tuber
Luftlücke f	air space
Luftmycel n	aërial mycelium
Luftpflanze f	epiphyte
Luftraum m	air cavity
Lufttrockengewicht n	air-dry weight
Luftspalte f	airchamber
Luftwurzel f	aërial root
Luzerne f	alfalfa, *Medicago sativa*

M

mächtig a	thick
Magerkeitsanzeiger m	indicator of soil exhaustion
Maibaum m	birch
Maiblume f	lily-of-the-valley
Malzeiweiss n	diastase
Mangold m	beet
Mannbarkeit f	sexual maturity
männliche Keimzelle f	male germcell, microspore, pollen grain
Mannweibigkeit f	hermaphroditism
Manschette f	armilla
Mark n	pith
Markbrücke f	widened medullary ray uniting pith of stem to that of lateral organs
Markfleck m	pithfleck
Markhöhle f	cavity in pith
Markholz n	pithy wood
Markkrone f	perimedullary zone of stele, circle of primary bundles in the stem
Markscheide f	pith sheath, medullary sheath
Markschicht f	medulla (of lichen thallus)
markständig a	medullary

Markstrahl m	medullary ray
Markstrahlzelle f	medullary ray cell
Markstrang m	center strand of differentiated cells (in mosses)
marktreif a	marketable
Markverbindung f	primary rays extending centrifugally from the pith
Markwiederholung f	pith fleck
Marschboden m	swamp, marshy soil
Marschwiese f	low meadow
Maschenraum m	mesh-like spaces in spongy tissue
Maser f	gnarled, streaked, or grained wood
Maserbildung f	gnarl formation
Maserholz n	gnarled wood, grain of wood
Mauerparenchym n	muriform parenchyma
Maulbeerdrüse f	morulose gland
Maulbeergewächse n pl	Moraceae
mechanische Zelle f	stereome cell, supporting or protecting cell
Meeresalge f	sea alga
Meerkohl m	sea kale
Meerrettich m	horse radish
Meerträubel f	*Ephedra fragilis*
Mehlfrucht f	cereal
mehlig a	mealy, farinose
Mehlkörper m	endosperm
Mehltau m	mildew
mehrfächerig a	multiloculate, compound
mehrgipfelig a	many-tipped, many-pointed
mehrkammerig a	multiloculate
mehrzellreihig a	multiseriate
mehrzinkig a	many-fluked
Meisterwurz f	masterwort, *Imperatoria ostruthium*
Melde f	*Chenopodium album*, *Atriplex patula*

Melone f	canteloupe
Membranfortsatz m	prolongation of cell wall
Membranschleim m	membrane mucilage
Mengung f	hybridization
Mergel m	calcareous clay
Merkmalspaar n	character pair, allelomorphs
Milchsaftröhre f	latex tube
Milchsaftschlauch m	latex tube
Milchzelle f	latex cell
Mischbestand m	mixed wood
Mischfrucht f	species hybrid
Mischling m	hybrid
Missbildung f	monstrosity
Misswachs m	anomalous growth
Mistbeet n	hotbed
Mistel f	mistletoe
Mittelband n	connective (of anther)
Mittelbildung f	intermediate hybrid
Mittelblatt n	foliage leaf
Mittelblattstamm m	part of stem which bears the foliage leaves
Mittelform f	intermediate type
Mittelhaut f	middle layer of spore coat
Mittelplatte f	innermost layer of middle lamella
Mittelrasse f	intermediate race
Mittelrinde f	primary rind, original cortex
Mittelschicht f	intermediate layer
mittelständig a	perigynous
Mittelwert m	average
Mohn m	poppy
Mohngewächse n pl	Papaveraceae
Mohnhirse f	sorghum
Mohrrübe f	carrot
Mohntyp der Flugorgane	poppy type of flying organs of seeds
Molecülsieb n	microfilter

Mondring m	pith fleck
Monogonie f	asexual reproduction
monomer a	monocarpous
monostemon a	having only one cycle of stamens not exceeding petals in number
Moor n	bog
Moosbüchse f	moss capsule
Moosfrucht f	moss sporangium
Moosvorkeim m	protonema of moss
morphogener Reiz m	formative stimulus
morphogenes Wachstum n	formative growth
Mosaikpanaschierung f	mosaic mottling
Moschusdistel f	musk thistle, *Carduus nutans*
Mull n	humus
Mundbesatz m	peristome
Mündung f	ostiole
Mündungsparaphyse f	periphysis
muschelförmig a	shellshaped
Mutterkornpilz m	ergot of rye
Mutterzelle f	mother cell
Mütze f	calyptra
Mycelcyst m	gemma
myceliarer Rand m	type of prothallus
Myrosinbehälter m	myrosin cell
Myrtengewächse n pl	Myrtaceae

N

Nabel m	hilum
Nabelstrang m	funiculus
Nachbarbestäubung f	geitonogamy
Nachbarkreuzung f	vicinism (due to hybridization)
Nachbarzelle f	adjacent cell
Nachkommenschaft f	progeny
Nachtblume f	nocturnal flower
Nachtblütler m pl	night-flowering plants, Nyctaginaceae

Nachtfalterblume f	flower pollinated by nocturnal butterflies or moths
Nachtkerze f	evening primrose, *Oenothera* sp.
Nachtkerzengewächse n pl	Onagraceae
Nachtschatten m	nightshade, *Solanum* sp.
Nachtschattengewächse n pl	Solanaceae
Nachtschwärmerblume f	flower pollinated by nocturnal moths
Nachtstellung f	night position (of leaves)
Nachwirkungsbewegung f	after-effect movement
nacktfüssiger Zweig m	bulbil
nacktsamig a	gymnospermous
Nadelblatt n	needle-leaf, gymnosperm leaf
Nadelfaser f	acicular fiber
nadelförmig a	acicular
Nadelholz n	gymnosperm wood
Nadelwald m	gymnosperm forest
Nagel m	spur, clawlike petal, unguis
Nährblatt n	storage leaf
Nährboden m	nutrient medium
Nährepidermis f	epidermal cells specialized to function in nutrition
Nährgewebe n	nutrient tissue in galls, albumen
Nährhaar n	nutrient hair in galls
Nährlösung f	nutrient solution
Nährmycel n	vegetative mycelium
Nährpflanze f	host, foodplant
Nährplasma n	trophoplasm
Nährsalz n	nutrient salt
Nährschicht f	endosperm
Nährstoff m	nutrient material
Nahrungszufuhr f	intake of food
Nährwasser n	nutrient solution
Nährwurzel f	absorbing root
Nährzelle f	nutrient cell (in Hepaticae)

Naht f	suture, raphe
Napf m	basin (part of secretory cell)
Napfflieger m	biconcave seed or fruit provided with membranous wings
Narbe f	stigma, scar, hilum
Narbenfortsatz m Narbenlappen m	stigmatic lobe
narbennachreif a	protandrous
Narbenpapilla f	stigmatic papilla
narbenvorreif a	protogynous
nasse Fäule f	wet rot
natürliche Zuchtwahl f	natural selection
Nebenachse f	secondary axis
Nebenader f	accessory vein
Nebenast m	collateral branch
Nebenbedingung f	accessory condition or factor
Nebenblatt n	ligule, stipule
nebenblattlos a	exstipulate
Nebenblumenkrone f	paracorolla, corona, crown of corolla
Nebenfrucht f	paracarpium, imperfect stage
Nebengeissel f	paraflagellum
Nebenkeimbahn f	secondary germtrack
Nebenkelch m	calycle, calycalis, involucre
Nebenkern m	blepharoplast, paranucleus
Nebenkrone f	paracorolla, corona, crown of corolla
Nebennerv m	accessory vein
Nebenschössling m	sucker, offshoot
Nebensporangium n	reduced conidium-like sporangium
nebenständig a	collateral
Nebensymbiose f	parasymbiosis
Nebensympodium n	secondary sympodium
Nebentyp m	facies
nebenweibig a	perigynous

Nebenwurzel f	lateral root, adventitious root
Nebenzeile f	parastiche
Nebenzelle f	modified epidermal cells (surrounding foot of hair)
Nebenzweig m	lateral branch
Nelke f	pink, carnation
Nelkengewächse n pl	Caryophyllaceae
Nervatur f	venation
Nervillennetz n	net-veins
Nessel f	nettle, *Urtica* sp.
Nesselgewächse n pl	Urticaceae
Nestepiphyt m	nest-epiphyte
Nestwurzel f	nest-root (orchid, etc.)
Netzfasergewebe n	tissue made up of reticulate elements
Netznerv m	nervil
netznervig a	of reticulate venation
Neubildungsreiz m	formative stimulus
Neubürger m	neophyte
neutrale Faser f	fiber with a tension quotient equal to zero
Nichtanlegung f	entire suppression of an organ
Niederblatt n	scale, cataphyll
Niederblattmanschette f	protective sheath of subterranean stem
Niederblattstamm m	subex
niedergedrückt-kugelig a	spheroidal
Niederholz n	undergrowth, dwarfed trees
Niederreissen n	passive precipitation
Niederschlagsmembran f	precipitation membrane
Niederspross m	catablast
Niederungsmoor n	sour meadow
nierenförmig a	reniform
Niesswurz f	Veratrum album, *Helleborus viridis*
Nischenblatt n	nest leaf (in Polypodium)
Nomophylla f	foliage leaf

Normaltiefe f	normal depth for seed in a given soil
Normkultur f	typical culture
Notreife f	premature ripening
Nuss f	nut
Nüsschen n	hard wall of oöspore (in Chara)
nützlicher Spross m	shoot which is not in direct line with flower axis

O

Obenaufpflanzen n	hill planting
Oberblatt n	epiphyll
oberes Schülferchen n	upper scale of peltate hair
Oberflächenperiderm n	surface periderm
Oberflächenschnitt m	surface section
Oberflächenspannung f	surface tension
Oberhaut f	epidermis
oberschlächtiges Blatt n	succubus leaf (in liverworts)
Oberseite f	upper, adaxial, or ventral side
oberständig a	hypogynous, superior (ovary)
öcologische Art f	biologic species
oculieren v	to bud
Ödland n	waste land
Öffnungskappe f	opening device (in antheridium of liver-worts)
Öffnungsstoss m	initial stimulus
Oidiumkette f	oidium chain
Ölbehälter m	oil-storing organ
Ölhypha f	oil-hypha
Ölkörper m	oil-body
Ölmadie f	*Madia sativa*
Ölrettich m	radish, *Raphanus sativa*
Ölstriemen m	oil-canal
Ölweidengewächse n pl	Elaeagnaceae
Ölzelle f	oil-storing cell
Ooblastemfaden m	oöblastic filament, fertilizing tube

Ooblastemfortzatz m	conjugation tube
Oogoniumstand m	oögoniophore
Orangenfrucht f	hesperidium
Orientierungsbewegung f	orientation movement
Ortsveränderung f	change of position
Osterluzei f	birthwort, *Aristolochia Clematis*
Osterluzeigewächse n pl	Aristolochiaceae

P

Paletta f	palet
Palisadendrüse f	palisade gland
Palisadengewebe n	palisade tissue
Palisadenzellbüschel n	group of palisade cells
Palmentypus der Gefässbündel	palm type of bundle arrangement
Panaschierung f	variegation
Papillarwand f	the wall of the primordium which cuts off the leaf initials
Pappel f	poplar
Parenchymscheide f	parenchymatous sheath of leaf veins
passive Anpassung f	passive adaptation
Pastinakwurzel f	parsnip
Paukenhaut f	drum (moss capsule)
Pechkiefer f	pitch pine, *Pinus* sp.
peitschenförmig a	flagelliform
Peitschengeissel f	flagellum
Peitschenhaar n	whiplike hair
Perforationsschlauch m	penetration tube
Perichaetialblatt n	involucral leaf (around the base of the setae in mosses)
Periclinalchimar m	chimaera, graft hybrid (in which the peripheral part resembles one parent while the central part resembles the other parent)

Peridermdauergewebe n	phellem
Perigonialblatt n	the bract of leafy liverworts in the axil of which stands the antheridium
Perlblase f	bladderlike hair
Perldrüse f	pearl gland
Petroleumseifenbrühe f	kerosene emulsion
Pfaffenhütchen n	spindle tree, *Evonymus europaeus*
Pfahlwurzel f	taproot
Pfefferkraut n	savory, peppergrass, stonecrop
Pfeifenstrauch m	birthwort, Dutchman's pipe, *Aristolochia Sipho*
pfeilförmig a	sagittate
Pfirsich m	peach
Pflanze f	plant
Pflanzenbestand m	plant formation
Pflanzengesellschaft f	plant society
Pflanzeneiweiss n	vegetable protein
Pflanzenerde f	humus
Pflanzenreich n	plant kingdom
Pflanzenschleim m	mucilage
Pflanzenvorwesenkunde f	phytopaleontology
Pflanzenzucht f	plant breeding
Pflasterung f	sheathing (of veins with crystals)
Pflaume f	plum, prune
pfriemförmig a	subulate, awlshaped
pfriemlich a	lashlike, subulate
Propfbastard m	grafthybrid
pfropfen v	to graft
Pfropfhybrid m	grafthybrid
Pfropfmischling m	grafthybrid
Phasengrenze f	phase boundary
Phloeminsel f	area of phloëm isolated in other tissue

Pigmentschicht f	pigment layer
Pilz m	fungus
Pilzblume f	fungus fructification
Pilztier n	myxomycete
pilzverdauende Pflanze f	plant with endotropic mycorrhiza
Pilzwurzel f	mycorrhiza
pinselförmig a	brushlike
Pinselschimmel m	*Penicillium crustatum*
Pinselzotte f	brushlike shaggy hair
Plasmabrücke f	plasmodesma
Plasmahaut f	plasma membrane
Plasmaströmung f	plasma streaming
Plasmaverbindung f	plasmodesma
Plasomolecül n	biogenic molecule
Platte f	plate, petal-lamina
Plattencollenchym n	lamellar collenchyma
Plattendrehflügler m	plant with Ailanthus type of flying organs of seeds
Plattenkultur f	petri-dish culture
pleocarp a	perennial
Polkappe f	polar cap
Pollenblume f	flower which produces only pollen and no nectar
Pollenfach n	pollen sac
Pollenkammer f	pollen chamber
Pollenkorn n	pollen grain
Pollenmal n	pseudo-nectar guide
Pollenmasse f	massula, a group of adhering pollen grains as in Orchidae
Pollenmasse f	massula
Pollenmutterzelle f	pollen mother cell
pollennachreif a	protogynous
Pollensack m	pollen sac
Pollenschlauch m	pollen tube
Pollenschlauchkern m	vegetative nucleus of pollen grain

Pollenübertragung f	pollination, transfer of pollen
pollenvorreif a	protandrous
Pollinationstropfen m	liquid excreted by micropyle
Polster n	pulvinus, stroma
Polsterbildner m pl	perennial herbs which spread freely but which branch little, bunch-grass
Pore f	pit
Porenkanal m	part of branched pit
Porenkapsel f	porous capsule, fruit (of poppy type)
Porenkork m	strip of periderm in tissue of lenticel
Porenzelle der Spaltöffnung f	guard cell of stomate
positive Spannung f	turgor
Präsentationszeit f	presentation time
Präventivspross m	water shoot
Preisselbeere f	cranberry, whortleberry, *Vaccinium* sp.
Primärblatt n	the first leaf following the cotyledons
primäre Äusserung f	fundamental exhibition in hybrids
primäre Membrane f	middle lamella
primäre Rinde f	the tissue external to the vascular cylinder
primärer Embryosackkern m	nucleus of embryo cell
primärer Holzteil m	primary xylem
Primanblüte f	the terminal flower of a leader in a cymose inflorescence
Priman m	bract of the last flower of a cymose inflorescence
Primordialblatt n	leaf primordium, the first leaf following the cotyledons
Primordialgefäss n	protoxylem element
Primordialschlauch m	primordial utricle

progressive Veränderung f	metaplasia
Protenparenchym n	protenchyma
Protoplasmabewegung f	protoplasmic movement
Protoplasmakammer f	plasma chamber
Proventivknospe f	proventitious bud
Proventivspross m	shoot developed from a proventitious bud
Pseudosaftmal n	false nectar guide
pseudosomatische Keimbahn f	secondary germtrack
Purgierlein m	flax, *Linum catharticum*

Q

Quartanblüte f	terminal flower of the fourth axis of a cymose inflorescence
Quecke f	quick grass, *Agropyron repens*
Quecksilberchlorid n	mercury bichloride
Quellschicht f	swelling layer in seeds and fruits
Quellung f	swelling
Querachse f	transverse axis
Querbalken m	transverse beam, trabecula of peristome, bar of Sanio
quergeteilt	transversely septate
querläufig	plagiodromous
Querparenchym n	radial parenchyma (in leaves)
Querschnitt m	cross section
Quirl m	whorl, verticil
quirlig a	verticillate
Quitte f	quince

R

Rachenblüte f	labiate flower
radförmig a	wheel shaped
radiär a	actinomorphic

Radieschen n	radish, *Raphanus* sp.
Rainfarn m	tansy, *Tanacetum* sp.
Rainweide f	privet, *Ligustrum* sp.
Rahmen	replum
Randbast m	marginal bast
Randbeschaffenheit f	shape of margin
Randblüte f	ray flower
Randbündel n	marginal bundle
randnervig a	craspidromous
Randpartie f	margin (of leaf)
Randschleier m	cortina
randständig	marginal
Randtüpfel m	marginal pit
Randzahn m	marginal tooth
Randzelle f	outer cell of a spherical peristome
Randzellenwachstum n	marginal growth
Ranke f	tendril, runner
ranken v	to creep or climb
rankenförmig a	cirrhiform
Rankengewächs n	creeper, climber
Rankenkletterer m	tendril-climber
Rankenpflanze f	climber, runner
Raphidenschlauch m	raphid-sac
Raps m	rape
Rapünzchen n	lamb's lettuce, *Valeriannella* sp.
rasenbildendes Moos n	moss which forms dense mats
Rasennarbe f	thick turf
Rasse f	race
Räuber m	water shoot, sucker shoot
Raucherzeugung f	smudging
Rauhblatt n	leaf of zoöphobic plants with coarse often recurved hairs
Rautengewächse n pl	Rutaceae
Reactionsgeschwindigkeit f	reaction velocity
Reactionskette f	series of events from stimulation to response

Reactionsstufe f	stage of reaction
Reactionszeit f	latent period of reaction
rechtsgedreht a	right-contorted
rechtsgriffelige Blüte f	dexiostylic flower
rechtskreisende Pflanze f	righthand climber
Reductionsteilung f	reduction division
reducierte Spaltöffnung f	vestigial stomate
regelmässige Blüte f	actinomorphic flower
Regenblatt n	leaf adapted for rapid drying, rain-enduring leaf, leaf of rainforest plant
Regenwald m	rainforest
regressive Veränderung f	necrosis
reif a	mature, ripe
Reif m	bloom, hoarfrost
Reifholz n	heartwood
Reinbestand m	plantation devoted to a single crop
Reinigung f	progressive shedding of lower branches of forest trees, self-pruning
Reinkultur f	pure culture
Reis n	twig
Reisgräser n pl	Oryzeae
reitend a	equitant
Reiz m	stimulus, irritant
reizbar a	irritable
Reizbedingung f	condition of stimulation
Reizbewegung f	movement due to stimulation
Reizdauer f	duration of stimulation
Reizempfänglichkeit f	susceptibility to stimulation
Reizerfolg m	resulting stimulation
reizfähig a	irritable
Reizfortpflanzung f	conduction of excitation
Reizgipfel m	stimulus giving maximum excitation
Reizhaken m	irritable hook

Reizmenge f	energy of stimulation
Reizmittel n	stimulant, irritant
reizpercipierendes Organ n	sensitive organ, tactile organ
Reizschwelle f	minimum stimulation needed to produce reaction
Reizstärke f	energy of stimulus
Reizstellung f	position assumed as a result of stimulation
Reizübertragung f	transmission of stimulus
Reizung f	stimulation, excitation
Reizursache f	source (or cause) of stimulation
Reizvorgang m	process of stimulation and transmission
Reizwirkung f	effect of stimulation
Reliktendemisma n	surviving endemic form
reparativer Wurzelspross m	compensatory sprout
Reservestoff m	reserve material
Reservestoffbehälter m	storage organ
Reservestofforgan n	storage organ
resinogene Schicht f	secretive wall layer (of secretory cell)
Retortenzelle f	ampulla
Rettich m	black radish
Rettich-Hederich m	wild radish, *Raphanus Raphanistrum*
Rhabarber m	rhubarb
rhizogene Schicht f	pericambium
richtender Reiz m	formative stimulus
Richtungsbewegung f	orientation movement
Riedgräser n pl	Cyperaceae
Rief / Riff } m	carina, ridge
Riemenblumengewächse n pl	Loranthaceae
Rille f	valecula
Rinde f	bark, cortex
rindenbewohnend a	growing on the outer bark

Rindenbrand m	frost canker
Rindenbündelsystem n	leaftrace or branches of same (in cortex)
Rindenfarbstoff m	phlobaphene
Rindenflechte f	lichen growing on bark
Rindengrenze f	phloëoterma
Rindenhaut f	periderm
Rindenhöckerchen n	lenticel
Rindenmarkstrahl m	that part of the medullary ray that lies in the phloem
Rindenpfropfen n	bark grafting
Rindenpore f	lenticel
Rindensaugstrang m	cortical haustorium
Rindensäure f	corticinic acid
Rindenschicht f.	cortical layer
Rindenwand f	wall which cuts off the leaf initials from the axis
Ring m	annulus
Ringelborke f	periderm which peels off the stem in rings, ring bark, hoop bark
Ringgefäss n	ringed element
ringporiges Holz n	ringporous wood
Ringtracheide f	annular element
Rinne f	valecula
Rippe f	costa
Rispe f	panicle
Rispengras n	meadow grass, *Poa* sp.
Rispenhirse f	*Panicum* sp.
Rittersporn m	larkspur, *Delphinium* sp.
Roggen m	rye
Roggenstengelbrand m	covered smut of rye
Rohbodenpflanze f	plant growing on virgin soil
Rohchlorophyllösung f	crude chlorophyll extract
Rohfaser f	crude fiber
Röhrenblatt n	tubular leaf
Röhrenblüte f	tubular flower

röhrig a	fistular
Rohrkolben m	cat-tail, *Typha latifolia*
Rohrstamm m	cane, reed
Rohrsumpf m	reed swamp
Rohrzucker m	sucrose
Rollblatt n	revolute leaf
Rose f	rose, rosette
Rosengewächse n pl	Rosaceae
Rosenkohl m	Brussels sprouts
rosenkranzförmig a	moniliform
Rosettenstaude f Rosettenträger m	rosette plant
Rossfenchel m	*Phellandricum aquaticum*
Rosskastanie f	horse chestnut, *Aesculus* sp.
Rosskastaniengewächse n pl	Hippocastanaceae
Rostigwerden n	russeting
Rotfäule f	red rot
Rotholz n	redwood
Rotklee m	red clover
Rübe f	beet, turnip
Rückbildung f	phylogenetic disappearance of organs which have become non-functional
Rückbildungsvorgang m	reversion
Rückkreuzung f	back-crossing
Rückennaht f	dorsal suture
Rückenseite f	dorsal side
rückenständig a	dorsal
rückenwurzelig a	incumbent, notorrhizal
Rückschlag m Rückschlagbildung f	atavism
Ruheakinet m	resting cell formed directly from vegetative cell without the formation of a new wall
Ruhezustand m	resting condition
Rundfaser f	tracheid of summer-wood
Runkelrübe f	mangold, beetroot

Runzelblatt n	wrinkled, corrugated, or xerophytic leaf
runzelig a	rugose
Russtau m	sooty mold
Rüster f	elm, *Ulmus* sp.
Rutengewächs n	phylloclad
Rutenspross m	slender leafy shoot

S

Saat f	seed
Saatgutbeize f	seed disinfection
Sackpusule f	main contractile vacuole
Saft m	cell sap, sap
Saftblume f	nectar-secreting flower
Saftdrüse f	nectar gland
Saftfaden m	paraphysis
Saftpflanze f	succulent
Saftraum m	vacuole, cell cavity
Saftstrom m	sap flow
Saftverkehr m	movement of sap
Sägeblatt n	siliceous leaf
Sägepalme f	*Cycas* sp.
Salbei m f	sage
Salpeterpflanze f	nitrophyte
Salpetersäure f	nitric acid
Salzdrüse f	salt-secreting gland
Salzpflanze f	halophyte
Salzsäure f	hydrochloric acid
Samen m	seed
Samenanlage f	ovule
samenbeständig a	distinguishable bv the seed
Samenblättchen n	cotyledon
Samenblüten f pl	the flowers of *Ficus* which are not pollinated by the wasp
Samendecke f	episperm, perisperm, seed coat
Samendeckel m	operculum
Sameneikern m	mesoblast

Sameneiweiss n	endosperm
Samenfaden m	spermatozoid
Samenfähigkeit f	age of plant when flowering begins
samenflügelig a	wing-fruited
Samengehäuse n	core, receptacle (of bryophytes), seedcase, pericarp
Samenhäufchen n	sorus (of ferns)
Samenhaut f	seed-coat, tegument
Samenhülle f	episporium, testa
Samenhülse f	pod, husk, hull
Samenjahr n	fruiting year
Samenkapsel f	capsule
Samenkelch m	seed-cup
Samenkern m	sperm, nucleus
Samenknospe f	ovule
Samenkrönchen n	coronule, pappus
Samenlappen m	cotyledon
Samenleiste f	placenta
Samenmantel m	aril
Samenmutterzelle f	spermatocyst
Samennaht f	raphe
Samenpflanze f	seed plant
Samenschale f	testa
Samenschildchen n	scutellum
Samenschopf m	seedtuft, coma
Samenschuppe f	ovuliferous scale
Samenstaub m	pollen
Samenträger m	placenta
Samenzapfen m	cone
Sammelart f	collective species
Sammelfrucht f	syncarp
Sammelpusule f	the smaller one of the contractile vacuoles in the cell of the Peridineae
Sammelspringfrucht f	syncarpous dehiscent fruit
Sammelsteinfrucht f	pyrenarium

Sammelzelle f	collective cell
Sammetblatt n	velvety leaf
sammethaarig a	holosericeous
Sandboden m	sandy soil
Sandpflanze f	psammophyte
Sandriedgras n	sedge, *Carex muricata*
Sanduhrzelle f	hourglass type of cell in seed testa
Sandelbaumgewächse n pl	Santalaceae
Sattel m	saddle (Isoëtes)
Sattelschaft m	saddle graft
Saubohne f	*Vicia Faba*
Sauerampfer m	sorrel
Sauerdorngewächse n pl	Berberidaceae
Sauerklee m	sorrel, *Oxalis stricta*
Sauerkleegewächse n pl	Oxalidaceae
Sauerstoff m	oxygen
Sauerstoffatmung f	aerobic respiration
Saughaar n	absorbing hair
saugnapfähnlich a	discoid
Saugorgan n	haustorium
Saugscheibenranke f	tendril with adhesive disk
Saugschlauch m	haustorium
Saugschuppe f	water-absorbing trichome
Saugwurzel f	absorbing root, haustorium
Saugzweig m	haustorium
Säulchen n	small column
Säule f	column
säulenförmig a	columnar
Säulenstamm m	columnar stem (palm)
Säulenwurzel f	stilt root, prop root
Säulenzelle f	columnar sclereid
Saum m	margin
Saumtracheide f	marginal ray cell
Säureeiweiss n	acid protein
Säurewechsel m	change in acidity
Schacht m	shaft (of stomate)

Schachtelhalm m	horsetail, *Equisetum* sp.
Schafgarbe f	yarrow, *Achillea millefolium*
Schaft m	scape
Schale f	valve (in diatoms)
schalenartig a	saucerlike
Schalfrucht f	caryopsis
schalig a	scaly
Schalwunde f	bark wound
scharf a	acrid, sharp
scharfkantig a	acute-angled
schattenbedürftig a	shade-requiring
Schattenblatt n	heliophobous leaf
schattenertragend a	shade-enduring
Schattenholz n	shade plant (one with leaves containing many chloroplasts)
Schattenpflanze f	shade-loving plant
Schauapparat m	attraction apparatus, lure for insects
Schaufel f	palet (of translator)
Schaumtheorie f	foam theory
Scheibe f	disk
Scheibenblüte f	disk flower
Scheibendrehflügler m	seeds or fruits with Aspidiospermus type of wings
scheibenförmig a	disk-shaped
Scheibenpilz m	discomycete
Scheide f	volva, vagina
Scheidenblatt n	spathe, sheathing leaf
Scheidenknospe f	adventitious bud
Scheidenknoten m	node (of grass)
Scheidewand f	dissepiment, septum
Scheidewandbildung f	wall-formation (between two daughter cells)
scheidewandbrüchig a	septifragal
scheidewandspaltig a	septicidal
Scheinachse f	sympodium

Scheinähre f	cymose spike
Scheinbeere f	sphalerocarpium, accessory fruit
Scheindolde f	cyme
Scheinfrucht f	spurious fruit
Scheinfuss m	pseudopodium
Scheinhefe f	mycelial cyst
Scheinkern m	false heart
Scheinnectarium n	false nectary
Scheinparenchym n	pseudoparenchyma
Scheinquirl m	false whorl
Scheinsaftblume f	flower with false nectaries
Scheinschmarotzer m	epiphyte
Scheinschülferchen n	false scale
Scheintüpfel m	false pit
Scheinwirtel m	verticillaster
Scheinzwiebel f	aërial tuber
Scheitel m	apex
Scheitelkante f	row of apical cells
Scheitelstrang m	vascular bundle in the indusium of the Hymenophyllaceae
Scheitelwachstum n	apical growth
Scheitelzelle f	apical cell
Schichtzelle f	tapetum
schiefliegend a	oblique
Schierling m	hemlock, *Conium* sp.
Schierlingstanne f	hemlock-spruce
Schiffchen n	keel
Schildchen n	scutellum, scutiform leaf
schildförmig a	peltate
Schildkraut n	skullcap, *Scutellaria* sp.
Schilfgräser n pl	Arundinaceae
schilferig a	lepidote
Schimmel m	mold
Schimmelpilz m	mold fungus
Schimmelrasen m	fur-like growth of mold

Schirm m	umbel
Schirmflieger m	seed or fruit with Asterocephalus type of wings
Schirmform f	umbrella form
Schirmhaar n	umbrella-shaped hair
Schirmrispe f	umbel-like panicle, corymb
schizogen a	schizogenous
Schizostel m	broken stele
Schlafbewegung f	nyctotrophic movement
schlafendes Auge n	dormant bud
Schlafmohn m	common poppy, *Papaver somniferum*
Schlafstellung f	nocturnal position
schlangenartig a	serpentine
Schlangenwurz f	wild calla, *Calla palustris*
Schlauch m	metamorphosed container, ascus, utricle
Schlauchalgae f pl	Siphon-algae
schlauchartig a	saccate
Schlauchblatt n	ascidiform leaf
Schlaucherzeuger m	ascogonium
Schlauchfasergewebe n	ascogenous hyphae
Schlauchfrucht f	ascus fruit, utriculus
Schlauchkapsel f	sacellus
Schlauchkopf m	slime plug
Schlauchpilz m	ascomycete
Schlehdorn m	*Prunus spinosa*
Schleier m	veil, indusium
Schleierchen n	indusium
Schleifenblume f	*Iberis amara*
Schleimendosperm n	mucilaginous endosperm
Schleimepidermis f	mucilaginous epidermis
Schleimfrucht f	fruit provided with slime cells for forcible ejection of the seeds
Schleimgang m	mucilaginous canal
Schleimgewebe n	mucilaginous tissue

schleimig a	mucilaginous
Schleimkork m	mucilaginous periderm
Schleimkrankheit f	slime disease
Schleimorgan n	slime cell or aggregation of slime cells found in the thallus of Marchantia
Schleimpapilla f	modified epidermal cells
Schleimpilz m	myxomycete
Schleimranke f	mucilaginous thread in intercellular spaces of roots of certain orchids
Schleimschicht f	layer of mucilage
Schleimzelle f	mucilaginous cell
Schleppgeissel f	backward-directed cilium
Schleuderklette f	bur fruit
Schleuder f	elater
Schliessfrucht f	achene, cleistocarp
Schliesshaut f	closing membrane of pit
Schliessring m	basal cells of tubular air chamber (in Marchantia)
Schliesszelle f	guard cell
schlingläufig a	brachydodromous
Schlingpflanze f	liana, twining plant
Schlund m	throat (of tubular calyx or corolla)
Schlundkranz m	corona
Schlundschuppe f	scale (of throat of corolla)
Schlupfwespenblume f	flower pollinated by Ichneumonidae
Schlüsselblumengewächse n pl	Primulaceae
Schlusszelle f	one of the first two daughter cells of the hypophysis
Schmarotzer m	parasite
Schmetterlingsblütler m pl	Leguminosae
Schmierbrand m	stinking smut
Schminkbohne f	kidney bean, *Phaseolus multiflorus*

Schnabelzelle f	beaklike cell below the pore of certain stomates
Schnallenbrücke f	clamp connection
Schneckenblütler m	flower pollinated by snails
schneckenförmig a	helicoid
schneckenförmig gerollt a	circinate
Schneeball m	arrow wood, *Viburnum Opulus*
Schneebeere f	snowberry
Schneeschimmel m	white mold
schnelllebig a	rapidly completing the life-cycle
Schnittfläche f	cut surface
Schöllkraut n	celandine, *Chelidonium majus*
Schopfblätter n pl	crowded leaves around the sex organs of mosses
Schorf m	scab
Schoss m	shoot, sprout
Schösslingskraut n	large rosette plant
Schötchen n	silicule
Schote f	silique
Schotengewächs n	leguminous plant
Schotenpfeffer m	red pepper, *Capsicum* sp.
Schrägzeile f	parastiche
schräggegittert a	clathrate
schrägzygomorphe Blüte f	oblique zygomorphic flower
Schraubel f	bostryx, helicoid cyme
Schraubelwickel m	bostryx-cincinnus
Schraubenblatt n	screw-like leaf
Schraubendrehflügler m pl	seeds or fruits with Fraxinus type of wings
schraubenförmige Aufrollung f	corkscrew spiral
Schraubengefäss n	spiral vessel
Schreckbewegung f	phobismus, repulsive movement
Schreckfarbe f	warning color

schrotsägeförmig a	runcinate
Schubfestigkeit f	shearing strength
Schülfer f Schülferhaar n	scale hair lepis
Schüppchen n	lodicule
Schuppe f	scale, squama
schuppenartig a	scaly
Schuppenblatt n	scaly leaf
Schuppenborke f	rhytidome
Schuppendrüse f	patelliform gland
Schuppenhaar n	scale-like hair
Schuppenhülle f	tegmen
Schuppennarbe f	budscale scar
Schüttekrankheit f	timber shake, leaf cast
Schüttelfrüchtler m pl	plants which produce seed in capsules dispersed when tree is shaken by the wind
Schuttkraut n	goosefoot, *Chenopodium* sp.
Schuttpflanze f	plant growing on rubbish heaps
Schutzmittel n	means of protection
Schutzscheide f	endodermis
Schutzspross m	protective branch
Schwammgewebe n	spongy tissue
schwammig a	spongy
Schwärmerblume f	flower which is pollinated by darters
Schwarmsporangium n	zoösporangium
Schwarmspore f	swarmspore
Schwarmstäbchen n	elongated swarm cell
Schwarmzelle f	zoospore
Schwarzbeinigkeit f	blackleg disease
Schwarzfichte f	spruce, *Picea nigra*
Schwarzkiefer f	pine, *Pinus austriaca*
Schwarzpappel f	poplar, *Populus nigra*
Schwebefliegenblume f	flower pollinated by Syrphids
Schwefelkalkbrühe f	lime-sulphur spray mixture

Schwefelkohlenstoff m	carbon bisulphide
Schwellenwert m	minimum stimulus necessary for reaction
Schwellgewebe n	tissue which elongates when pressure is removed
Schwellkörper m	lodicule
Schwellpolster n	pulvinus
Schwellwasser n	distension water
Schwerkraftwirkung f	influence of gravity
Schwerreiz m	gravity stimulus
Schwertlilie f	fleur-de-lis, *Iris* sp.
Schwertliliengewächse n pl	Iridaceae
Schwesterart f	sister species, biologic species
Schwiele f	callus, foodhairs
Schwimmbewegung f	ciliary movement
Schwimmblatt n	floating leaf
Schwimmfrucht f	a fruit or seed which is capable of floating on the water for a certain time
Schwimmgewebe n	aërenchyma
Schwimmholz n	submerged wood which is made up in large part of aërenchyma
schwinden v	to shrink
Schwindriss m	season crack
Schwingel m	fescue grass, *Festuca* sp.
Schwingelgras n	*Festuca* sp.
Sklerenchymbeleg m	sclerenchymatous pericycle
Seeblüte f	appearance of water at the time of pollenshedding of gymnosperms
Seegras n	grass wrack, sea wrack, *Zostera marina*
Seekohl m	sea kale
Seerosengewächse n pl	Nymphaeaceae
Segel n	velum
Segelflieger m pl	seeds or fruits with the Zanonia type of wings

Sehne f	tangential surface
seicht a	shallow
seichtgründiger Boden m	soil with high water-table
Seide f	dodder, *Cuscuta* sp.
Seidelbast m	mazereum, *Daphne mezereum*
Seidenhaar n	silky hair
seidenhaarig a	sericeous
Seidenpflanzengewächse n pl	Asclepiadaceae
Seifenkraut n	soapweed
Seifenbaumgewächse n pl	Sapindaceae
Seitenachse f	lateral axis
Seitenast m	lateral branch
seitenfrüchtig a	pleurocarpous
Seitennerv m	lateral vein
seitenständig a	lateral
Seitenwurzel f	lateral root
seitenwurzlig a	pleurorhizal
Seitenpross m	lateral shoot
seitig a	lateral
Sekretbehälter m	gland
Selbstanpassung f	direct adaptation
Selbstbefruchtung f	self-fertilization
Selbstbestäubung f	self-pollination
Selbstdifferenzierung f	automorphosis
Sellerie m,f	celery
Semesterring m	secondary ring (in trees)
Senf m	mustard, *Brassica* sp.
Senfkohl m	mustard, turnip, *Brassica* sp.
Senker m	haustorium, layer
Senkervermehrung f	layering
Septaldrüse f	septal gland (in ovary of monocots)
seriale Beiknospe f	supra-axillary bud (directly above or below the normal axillary bud)
Serradella f	*Ornithopus* sp.
sich werfen v	to warp

Sichel f	drepanium
sichelförmig a	crescent shaped, falcate
sichtbarwerden v	to become visible
Siebenstern m	*Trientalis Europae*
Siebgefäss n	sievetube
Siebplatte f	sieveplate
Siebröhre f	sievetube
Siebteil m	conducting cells of phloem
Siebteilspaltung f	cleft in phloem
Siebtüpfel m	sieveplate
Siedepunkt m	boiling point
Simsengewächse n pl	Juncaceae
Sinnesorgan n	sense organ, tactile organ
Sinneszelle f	sensory cell, tactile cell
Sippe f	relation (systematic unit of any degree)
Sippengemisch n	population
sitzend a	sessile
Sockel m	pedestal of hair
Sommerholz n	spring wood
Sommerlaubfall m	summer leafdrop
Sommerspore f	temporary spore which germinates at once
Sommerwald m	tropophyllous forest of a cold temperate region
Sommerwurzgewächse n pl	Orobanchaceae
Sonnenblatt n	heliophilous leaf
Sonnenblume f	sunflower
Sonnenpflanze f	plant with leaves which contain few chloroplasts
Sonnenbrand m	sunscald
Sonnentau m	sundew, Drosera sp.
Sonnentaugewächse n pl	Droseraceae
Soredienanflug m	soredium, brood bud (of lichens)
Sortenempfindlichkeit f	varietal susceptibility
Spahn m	shaving of wood

Spalierwuchs m	espaliar growth
Spaltalgae f pl	Cyanophyceae
Spaltbarkeit f	cleavability
Spaltfrucht f	schizocarp
Spaltöffnung f	stomate
Spaltpflanze f	schizophyte
Spaltpfropfen n	cleft-grafting
Spaltpilz m	bacterium
Spalttüpfel m	slit-like pit
Spaltung f	segregation, cleavage
Spaltungsatmung f	anaërobic respiration
Spaltungsregel f	law of segregation
Spaltwand f	schizogenous wall
Spaltwunde f	cleft-wound
spanisches Rohr n	rattan
Spannfäden m pl	threads which connect columella with wall in large hypophysis of certain mosses
spannrückig a	asymmetric
Spargel m	asparagus
spatelförmig a	spathulate
Spätholz n	summer wood, late wood
Specialmutterzelle f	tetrad of cells which develop the four spores
specificierte Anlage f	determined primordium
specifischer Bildungstrieb m	automorphosis
Speiche f	bar
Speicherblatt n	storage leaf
Speichergewebe n	storage tissue
Speicherorgan n	storage organ
Speicherspross m	storage shoot
Speichertracheide f	storage tracheid
Speicherwurzel f	storage root
Speicherzelle f	storage cell
Speisepilz m	edible fungus
Spelz m	glume
Spermakern m	sperm nucleus

spermatoide Spore f	spore (budding in ascus)
sperrig a	loosened (soil)
Spiegel m	mirror (effect produced by medullary rays)
Spiegelfaser f	medullary ray
Spiegelnarbe f	'mirror-stigma' (a type of stigmatic surface in certain orchids)
Spiegelseite f	radial section
Spielart f	subvariety
spiessförmig a	hastate
Spindel f	rachis
Spindelfaser f	spindle fiber
Spindelfigur f	nuclear spindle
spindelförmig a	fusiform
Spiraldrehung f	spiralism
Spiralgefäss n	spiral element
Spiralstellung f	spiral arrangement
Spiraltracheide f	spiral element
Spirre f	anthela
Spitzahorn m	maple, *Acer platanoides*
Spitzchen n	apiculus
Spitzenanhängsel n	tip of ventral lobe of Marchantia
Spitzenaposporie f	apical apospory
Spitzenwachstum n	apical growth
Spitzknospe f	terminal bud
spitzläufig	acrodromous
Splint m	sapwood
Splintholz n	sapwood
spontane Änderung f	single variation, mutation
spontane Bewegung f	autogenic movement
spontane Selbstbestäubung f	direct autogamy
spontane Variation f	mutation, spontaneous variation
Sporangiumfrucht f	sporocarpium (Marsilia)
Sporangiumgrube f	fovea

Sporangiumträger m	sporophyll
Sporangienhäufchen n	sorus
Sporenbehälter m	sporecase
Sporenblatt n	sporophyll
Sporenfrucht f	sporocarp
Sporenhaut f	sporodermis
Sporenhülle f	spore coat
Sporenknospe f	female organ (of Chara)
Sporenkörper m	the row of teleutospores in Phragmidium
Sporenmutterzelle f	spore mother cell
Sporenschlauch m	ascus
Sporenschleuderer m	elater
Sporenvorkeim m	prothallium
Sporenzelle f	spore tetrad
Spörgel m	spurrey, *Spergula arvensis*
Sporn m	spur
Sporogonfuss m	foot (of Hepaticae)
Sporophyllähre f	sporophyll axis
Sporophyllhöcker m	sporophyll primordium
Sporophyllstiel m	pedicel
Spreite f	leaf blade, lamina
spreizend a	divaricate
Spreizklimmer m	a climbing or crawling woody plant
Spreublatt n	palea
Spreuhaar n	lacina
Spreuschuppe f	palet
Springfrucht f	dehiscent apocarp or syncarp, pod
sprokes Holz n	brittle wood
Spross m	shoot
Sprossachse f	stem of shoot
Sprossanlage f	shoot primordium, plumule
sprossbürtige Wurzel f	adventitious root
Sprossdorn m	stem thorn
Sprossfolge f	succession of shoots

Sprossglied n	phyton, phytomer
Sprosskeimung f	budding
Sprosspilz m	yeast fungus
Sprossranke f	tendril which is morphologically a stem
Sprossspitze f	stem apex
Sprossung f	budding
Sprungvariation f	mutation
Stäbchenüberzug m	cuticle consisting of rodlike particles
Stabzelle f	columnar sclereid
Stachel m	prickle
Stachelbeere f	gooseberry
Stachelschwamm m	Hydnum
stachelspitzig a	mucronate
Stamm m	stem
Stammdorn m	stem thorn
stammeigener Strang m	cauline bundle
stammeigenes Gefässbündel n	common stem-bundle
Stammglied n	internode, internodal cell
Stammgrübchen n	lenticel
Stammholz n	trunk wood
Stammknospe f	plumule
Stammscheitel m	apex of stem
Stammvegetationspunkt m	growing point of stem
Stärkebaum m	starch tree
Stärkebildner m	leucoplast
Stärkeknöllchen n	root tubercle (in Hepaticae)
Stärkescheide f	endodermis
Stärkezuwachs m	diameter-increment
Starre f	rigor
Starrheit f	rigor
Staubbeutel m	anther
Staubblatt n	stamen
Staubblatthaar n	stamen hair
staubblattvorreif a	protandrous

Staubbrand m	loose smut
Staubfaden m	filament
Staubflieger m	spore (of Cryptogams), pollen grain
Staubgefäss n	stamen
Staubgrübchen n	lenticel, ventilating pit
Stäubling m	puff-ball
Staubweg m	style
Stauchling m	shortened shoot
Staude f Staudengewächs n	woody (or herbaceous) perennials with more or less deciduous branches
stechend a	pungent, sharp
Stechpalme f	holly, *Ilex* sp.
Steckling m	cutting
stehenbleibend a	persistent
stehende Markstrahlzelle f	erect ray cell
Stehwasserblatt n	erect submerged leaf
steifborstig a	hispid
steifhaarig a	hirsute
steile Windung f	close coil
Steilwerden n	contraction (of spiral)
Steinapfel m	pome-like fruit in which each locule forms a stone
Steinbeere f	drupe
steinbewohnend a	growing on stones and rocks
Steinborke f	stone-cork, phellem changed into sclereids
Steinbrand m	stinking smut
Steinbrech m	saxifrage, *Saxifraga* sp.
Steinbrechgewächse n pl	Saxifragaceae
Steinelement n	stone cell, sclereid
Steinfrucht f	drupe
Steinkern m	putamen, pyrene, hardened endocarp or pericarp
Steinkörper m	stone cell or cluster of stone cells

Steinkraut n	*Alyssum* sp.
Steinthylle f	stone tylosis
Steinzellenkork m	cork made up of stone cells
Stelzenwurzel f	stilt root, prop root
Stempel m	pistil
Stempelmündung f	stigma
Stempelträger m	gynophore
Stengel m	stem
Stengelglied n	internode
Stengelknolle f	tuber consisting of shortened internodes, or of rhizoids (Chara)
Stengelranke f	tendril which is morphologically a stem
stengelumfassend a	sheathing
Steppenhexe f, Steppenläufer m	tumble weed
Sternhaar n	stellate hair
sternotrib a	sternotribal
Sternschuppe f	stellate brood scale
Stichkultur f	stab-culture
Stickstoff m	nitrogen
Stiefmütterchen n	pansy
Stiel m	handle of retinaculum, stalk, seta
Stielchen n	small stipe, petiolule
stielrund a	terete
stieltellerförmig a	salver-shaped
Stielzelle f	stalk cell
Stipulardorn m	stipulate spine
Stipulargrübchen n	lenticel
Stirnfläche f	end face
Stock m	caudex
Stockwerk n	tier, etage
Stoffableitung f	translocation
Stoffaufnahme f	intake of substances
Stoffaustausch m	exchange of substances

Stoffaustritt ..	loss of cell content
Stoffhaushalt m	metabolism
Stopfzelle f	tylosis
Storchschnabel m	geranium
Storchschnabelgewächse n pl	Geraniaceae
Stossreizbarkeit f	sensitiveness to shock
Stossreizstellung f	position of organ after stimulation through shock
Stossreizung f	stimulation by shock or contact
Strahlenbüschel n	tuft
strahlend a	radiating
Strahlenfilter n	ray filter
strahlennervig a	palmately veined
Strahlenparenchym n	ray parenchyma, medullary ray
strahlige Blüte f	actinomorphic flower
Strang m	vein, vascular strand
Stranggewebe n	vascular bundle, vascular system
Strangscheide f	bundle sheath
Strangverbindung f	commissural strand
Strauch m	shrub
Strauchflechte f	fruticose lichen
Strauchgras n	bent grass, *Agrostis* sp.
Strauchwuchs m	shrubby growth
Strebezelle f	supporting cell, idioblast, prop cell
Streckungsphase f	elongation period
Streckungswachstum n	elongation
Streifekrankheit f	streak disease
Streifenrost m	streak rust
Streufrucht f	dehiscent fruit
Strichelchen n	stria
Strichkultur f	stroke-culture
Striegelhaar n	bristle hair
striegelhaarig a	strigose

Strohwüchsigkeit f	luxurious growth of straw
Strömungsblatt n	submerged leaf which is flat and attenuated
stumpfkantig a	obtuse angled
Stütze f	support
Stützblatt n	subtending bract
Stützhypha f	sterigma in young pycnidium
Stützleiste f	"s" shaped thickened membrane above cell wall of gland.
Stützpflanze f	plant which serves as support but not as host for other plants
Stützwurzel f	prop root
Subformation f	facies
Subhymenialschicht f	subhymenium
Suchspross m	seeker shoot
Sumpf m	swamp
Sumpfdotterblume f	marsh marigold, *Caltha palustris*
Sumpfgebüsch n	bog
Sumpfmoor n	meadow swamp
Sumpfpflanze f	helophyte
Sumpfschachtelhalm m	horsetail, *Equisetum* sp.
Sumpfwald m	bog
Sumpfwiese f	meadow swamp
Süsswassersumpf m	fresh-water bog

T

Tabak m	tobacco
tafelförmig a	tabular
täglich a	diurnal
Tagesperiode f	daily periodicity
Tagesschlaf m	diurnal position
Tagesstellung f	epistrophy
Tagfalterblume f	flower pollinated by butterflies

Tang m	growth of brown algae
Tannenbaumhaar n	abietiform hair
Tannenhexenbesen m	witch's broom of fir
Tapete f	tapetum
Tapetenzelle f	tapetal cell
Tasche f	plumpocket disease
Tastreiz m	contact stimulus
Tasttüpfel m	tactile pit
Taublatt n	leaf adapted for absorption of dew
Taubnessel f	dead nettle, *Lamiun* sp.
Tauchpflanze f	submerged plant
Taumelkerbel m	*Chaerophyllum temulum*
Tauschblume f	flower pollinated by insects which are attracted by false showy nectaries
Teerfleckenkrankheit f	tarspot disease
Teilband n	partial band of spiral wall thickening
Teilcylinder m	schizostele
Teilfrucht f	diachenium, cremocarp, merocarp
Teilfunction f	subsidiary function
Teilhaar n	component hair
Teilnuss f	carcerule
Teilungsanomalium n	anomalous division
Teilungsgewebe n	meristem
Teilwand f	division wall
Terminalblüte f	terminal flower
Terminalknospe f	terminal bud
Tälchen n	furrow, small valley
Thallusgehäuse n	amphithecium
Thallusrand m	a type of prothallus
Thonboden m	clay soil
Thonfilter n	clay filter
Thonsteppe f	clay prairie
Thylle f	tylosis

Tiefschorf m	deep scab
Tierblütler m pl	Zoïdogamae
Tierfrüchtler m pl	plants adapted for distribution by animals
Tierpflanze f	phytozoic plant
Tochterchromosom m	daughter chromosome
tonnenförmig a	barrel-shaped
Torfboden m	humus soil
Trabeculargewebe n	lacunar tissue
Tracheidensaum m	transfusion tissue
Tragantpflanze f	milk vetch, *Astragalus* sp.
Träger m	girdle, receptacle (of Ascomycetes), suspensor (of Mucor)
Trägerzelle f	cell containing cystoliths
Tragblatt n	subtending leaf
Tragknospe f	inflorescence bud
Tragzelle f	stalk cell
Trampelklette f	bur which is distributed by clinging to the feet of animals
Tränen n	bleeding
Transfusionsgewebe n	transfusion tissue
Transversalblatt n	median leaf of lateral shoot especially prominent in a decussate primordium
Traube f	raceme, bunch of grapes
Traubenform f	raceme-like form
Traubenkirsche f	cherry, *Prunus Padus*
Traubenkörper m	cystolith
Traubenwickel m	botryose cyme
traubig a	botryoidal
Trauerblumengewächse n pl	Diapensiaceae
Trauerform f	drooping habit
Träufelspitze f	leaf attenuated to provide for rapid drainage of water
treiben v	to force, to sprout

Treiben der Knospe	gemmation, bursting of buds
Treibfrucht f	fruit carried by water currents
Treiblaubfall m	partial shedding of leaves just before new buds open (in evergreen Angiosperms)
Treibsamen m	seeds distributed by water currents
Treibstoff m	substance which brings about shortening of the rest period
Treibverfahren n	method of forcing
Trennschicht f	absciss layer
Trennung f	separation, abscission
Trennungsphelloid n	absciss layer of rhytidome
Trennungsschicht f	absciss layer
Treppengefäss n	scalariform vessel
Treppenhoftüpfel m	bordered pit
Treppentracheide f	scalariform tracheid
Trespe f	brome grass, *Bromus* sp.
Trichter m	funnel (of hydathodes)
Triebpflanze f	perennial with short annual shoots
Triebwurzel f	the main or large root of a plant
Trockenästung f	heading when branches are dead
Trockenfäule f	dry rot
Trockenfrucht f	dry fruit
Trockenpflanze f	xerophyte
Trockenriss m	checking, cracks due to drying
Trockenstarre f	drought rigor
Trockensubstanz f	dry weight
Trompetenbaum m	catalpa
tropfbarflüssig a	liquid
tropisch a	tropical
tropischer Lithoralwald m	mangrove forest
Trophoplast m	plastid

Trübungstoff m	turbid substance
Trugdolde f	cyme
Trupp m	small group of trees
Tulpenbaum m	tulip tree
Tüpfel m	pit
Tüpfelgewebe n	pitted tissue
Tüpfelkanal m	pit canal
Tüpfelraum m	pit chamber
Tüpfelschliesshaut f	closing membrane of pit
Turgorspannung f	turgor

U

übereinandergerollt a	convolute
Übergang m	crossing-over, transition
Übergangsform f	transition form
Übergangswiderstand m	resistance produced by an opposite electromotor force on the boundary of two phases
Übergangszelle f	transition cell, tracheid
übergerollt a	convolute
Überkrümmung f	excessive curvature
Überpflanze f	epiphyte
Überschwemmungsblatt n	leaf which can survive flooding due to its structure and shape
überwallen v	to heal over
Uferflora f	shore vegetation
Uhrfederranke f	watchspring tendril
Uhrfederranker m	plant bearing watchspring-like tendrils
Ulmengewächse n pl	Ulmaceae
Umbelliferae	parsley family
Umbelliferenfrucht f	Umbellifer fruit
Umbildung f	metamorphosis
umgebogen a	recurved
umgeformt a	transformed

umgeschlagen a	reduplicate
umgestaltender Reiz m	metamorphic stimulus
umgewendet a	anatropous
Umladung f	change in potential
Umriss m	the entire margin (of a leaf)
Umschaltungsreiz m	switching stimulus
umschlagende Sippe f	eversporting variety
umständig a	perigynous
Umstimmung f	dichogeny
umstrickter Holzkörper m	corded wood
Undurchlässigkeit f	impermeability
Unebenheit f	irregularity
unecht a	false
unfruchtbar a	sterile, unfruitful
ungefärbt a	colorless, achromatic
ungegliedert a	nonarticulated
ungeschlechtig a	asexual
ungeschlossen a	open
ungeteilt a	nonseptate, undivided
ungleichartig a	heterogeneous, dissimilar
ungleichwimperig a	with unequal cilia
Unkraut n	weed
unmittelbar a	direct
unter- a	abaxial
Unterart f	subspecies, variety
Unterblatt n	ventral lobe, the lower part of a leaf-primordium
unterbrochen a	broken, interrupted
Unterhautgewebe n	hypodermis
Unterkühlung f	under-cooling
Unterlage f	stock (in grafting)
Unterlager n	prothallus primordial meristem
Unterlippe f	lower lip
Unterrasse f	subvariety
Unterschiedsempfindlichkeit f	degree of sensitiveness to stimulus

Unterschiedsschwelle f	threshold of perceptibility of difference
unterschlächtig a	incubous (leaf of liverworts)
unterschwellig a	giving secondary response to stimulus
unterständig a	inferior, hypogynous
unwesentlicher Spross m	shoot which only increases photosynthetic area but which is not needed for fruiting
Urblatt n	primordial leaf
Urfaden m	protonema
Urleitbündel n	central cylinder
Urmeristem n	promeristem
Urne f	urn (in moss capsule)
Urwald m	virgin forest

V

Vacuolenhaut f	tonoplast
Vacuolenhöhle f	peripheral cavity (Equisetum)
Vacuolenwand f	tonoplast
Variationsbreite f	range of variation
Variationsmerkmal n	varietal character
Vasalpriman m	protoxylem element
Vasalteil m	protoxylem
Vegetationskegel m, Vegetationskuppe f	vegetation cone
Vegetationspunkt m	growing point
Vegetationsring m	annual ring, annual increment
vegetieren v	to grow
Veilchengewächse n pl	Violaceae
Ventralfurche f	ventral suture in ovule
Ventralschuppe f	ventral lobe
Veraschung f	incineration
Verästelung f	branching
Veratmung f	consumption of organic material in respiration

Verbänderung f	fasciation
Verbindungsfaden m	median spindle fiber
Verbindungsschlauch m	nuclear spindle
verborgen a	inconspicuous, hidden
Verbrauchstoff m	tetaplasm
Verbreitungsausrüstung f	equipment or vesture for dissemination
Verbreitungseinheit f	distribution unit
Verbreitungsmittel n	means of distribution
Verbrennung f	combustion, incineration
Verdauungsdrüse f	digestive gland
Verdickungsmasse f	secondary thickening
Verdickungsring m	annual ring
Verdoppelung f	doubling
Verdunstung f	evaporation
Veredelung f	budding, grafting
vereintblätterig a	gamophyllous
vereintläufig a	separate
Vererbung f	inheritance
Vererbungsforschung f	study of heredity
Vererbungslehre f	genetics
Vererbungsregel f	developmental law of heredity
Vererbungsstudium n	inheritance study
Vererbungssubstanz f	idioplasm
verfilzt a	matted
Vergeilen n	etiolation
verholzen v	to lignify
verjüngt a	attenuate
Verjüngung f	rejuvenation, attenuation
Verkalkung f	calcification
verkehrt eiförmig	obovate
verkehrt herzförmig	obcordate
verkehrt kegelförmig	obconical
Verkernung f	change from sapwood to heartwood
Verkiemung f	infiltration of wood with resin
Verkieselung f	silicification

Verkohlung f	carbonization
verkoppelte Merkmale n pl	coupled characters
Verkümmerung f	dwarfing, trace, vestige
Verlaubung f	frondescence
verlichten v	to thin out
Vermehrung f	reproduction, increase
Vermischung f	mixing (of characters)
Vermoderung f	dry rot
Vernarbungsgewebe n	callus tissue, traumatic tissue
Vernarbungsmembran f	restitution membrane
Verquellung f	swelling
Verscheinen n	blasting
verschiedengriffelig a	heterostylic
verschleimt a	mucilaginous
Verschleimung f	gelatinization
Verschleppungsklette f	bur which clings to hairs or feathers of animals
verschlungenfaserig a	tortuous
Verschmelzung f	fusion of parts
Verseifung f	saponification
Verspillern n	etiolation
Versprossung f	proliferation
Versteifung f	stiffening
Versteinerung f	sclerenchymatization
Verstümmelung f	mutilation
Verteilkrautgewächse p pl	Datiscaceae
Vervollkommnungsprinzip n	principle of progression
verwachsend a	concrescent
verwachsendblätterig a	gamophyllous
Verwachsung f	fusion of parts
Verwandschaftsgrad m	degree of relationship
Verwandschaftsverhältnis n	hereditary relationship
Verzweigungsformel f	inflorescence formula
Verzwergung f	dwarfing
vielehig a	polygamous
vielkernig a	multinucleate, coenocytic
vielköpfig a	many-headed

Vielzellbildung f	formation of a large number of cells
Vierlingskörper m	pollen tetrad
viersamige Wicke f	*Ervum tetraspermum*
Viertelholz n	quartered wood
Vogelbeerbaum m	mountain ash, *Sorbus aucuparia*
Vogelblütler m	orthophyllous flower
Vogelmaser f	birds-eye grain
Vogelmiere f	chickweed, *Stellaria media*
Vollholzigkeit f	approach to cylindrical form (in tree trunk)
vollkommene Dominanz f	complete dominance
Vollzellbildung f	differentiation of the spores in the tetrad
Vorblatt n	bract, bracteole (of pedicel)
Vorderseite f	antical or adaxial side
Vorfaden m	protonema
vorgewölbt a	arched outward
Vorhang m	cortina
Vorhof m	outer stomatal cavity
Vorkeim m	proembryo
Vorkern m	pronucleus
Vorlager n	prothallus
Vorläuferspitze f	tip of developing leafprimordium
vorläufige Art f	tentative species
vormännlich a	protandrous
vorn- a	adaxial, antical
vornumläufig a	emprosthrodromous
Vorspelze f	palet
vorspringend a	projecting
vorweiblich a	protogynous
Vorwuchs m	forest rejuvenation

W

Wabenplasma n	alveolarplasm, trophoplasm
Wabentheorie f	alveolar theory
Wachholder m	juniper
Wachsausscheidung f	wax secretion
Wachsblatt n	leaf with waxy cuticle
Wachstumsachse f	longitudinal axis
Wachstumsbewegung f	nutation
Wachstumsdauer f	period between initiation and maturity of an organ
Wachstumsgeschwindigkeit f	growth velocity
Wachstumsgrösse f	extent of growth
Wachstumskrümmung f	growth curvature, nutation
Wachstumsmesser m	auxonometer
Wachstumstetigkeit f	active growth
Wachsüberzug m	cuticle
Wachtelweizen m	cow wheat, *Melampyrum pratense*
Wahlvermögen n	power of selection
Wahrscheinlichkeitswert m	probable value
Wald m	forest
Waldmeister m	*Asperula odorata*
Waldrebe f	virgin's bower, *Clematis vitalba*
Waldsimse f	bulrush, *Scirpus sylvaticus*
Waldschwingel m	fescue grass, *Festuca sylvatica*
Waldwurz f	angelica, *Angelica sylvetris*
Wallnussgewächse n pl	Juglandaceae
Walzendrehflieger m pl	plants with Haleis type of fruitwings
walzenförmig	cylindrical
Wandbeleg m	primordial utricle
wandbrüchig a	septifragal
Wanderflechte f	migrating lichen
Wanderknospe f	hibernacle
Wanderstärke f	transitory starch
Wandprotoplasm n	plasma membrane

wandspaltig a	septicidal
wandständig a	parietal
Wandzellen f pl	cells lining an internal gland
Wärmereiz m	heat stimulus
Warmwasserbeize f	hot water treatment
warzig a	verrucose
Wasseraufnahme f	absorption of water
Wasserausscheidung f	excretion of water
Wasserblase f	modified epidermal cell for water storage
Wasserblatt n	water-shedding leaf
Wasserblattgewächse n pl	Hydrophyllaceae
Wasserblütler m	hydrophyllous plant
Wasserdrüse f	hydathode
Wasserfrüchtler m	plant disseminated by water currents
Wassergewebe n	water-bearing tissue
wasserhaltende Kraft f	water-holding capacity
Wasserhand f	thoroughwort, *Eupatorium cannabium*
Wasserhaushalt m	usage of water in plants
wasserhell a	pellucid
Wasserlinsengewächse n pl	Lemnaceae
Wasserlohe f	watershoot
Wasserpfeffer m	knotweed, *Polyonum hydropiper*
Wasserpflanze f	hydrophyte
Wasserreis n	watershoot
Wasserreiz m	moisture stimulus
Wasserrispengras n	manna grass, *Glyceria aquatica*
wassersaugend a	water-absorbing
Wasserschlauchgewächse n pl	Lentibulariaceae
Wasserspalte f	water pore
Wasserverhältnis n	water relation
Wasserversorgung f	water absorption
Wasserzinkengewächse n pl	Ceratophyllaceae

Waugewächse n pl	Resedaceae
Weberkarde f	teasel, *Dipsacus fullonum*
Wechselbefruchtung f	dichogamy
wechselseitig a	opposite
wechselständig a	alternate
Wedel m	frond
Wegerich m	plantain, *Plantago* sp.
Wegerichgewächse n pl	Plantaginaceae
Wegkrümmung f	bending away from a support
Wegwarte f	chicory, *Cichorium intybus*
wehrlos a	unarmed
weibliche Keimzelle f	megaspore, embryosac
Weichbast m	soft bast, phloem without fibers
Weichbastinsel f	island of soft bast (within hard bast)
weichhaarig a	pilose, pubescent
weichstachelig a	with soft spines, bristles, or other projections
Weide f	willow
Weidengewächse n pl	Salicaceae
Weidenröschen n	willow-herb, *Epilobium angustifolium*
Weiderichgewächse n pl	Lythraceae
Weinrebengewächse n pl	Vitaceae
Weintraube f	grape vine, cluster of grapes
Weissbirke f	birch, *Betula alba*
Weissblättrigkeit f	albinism
Weissbuche f	hornbeam, *Carpinus betulus*
Weissdorn m	hawthorn, *Crataegus* sp.
Weissfäule f	white rot
Weissfichte f	white spruce, *Picea alba*
Weissklee m	white clover
weissrandig a	white margined
Welken n	wilting
welkend a	marcescent
Wellenholz n	wood with irregular and undulate grain

wellig gebogen a	undulate
wellig gefaltet a	folded in waves
Wendeltreppe f	spiral (of twining plants)
Wendepunkt m	point of reversal
Wendungszelle f	pivotal cell
wergartig a	woolly
wesentlicher Spross m	essential shoot
Wespenblume f	flower pollinated by wasps
Wetterpflanze f	plant which forecasts the weather
Weymouthkiefer f	white pine, *Pinus Strobus*
Wicke f	vetch, *Vicia* sp.
Wickel m	cincinnus
Wickelschraubel f	cincinnus-bostryx
Widerhakenhaar n	barbed hair
Widerhakenstachel m	glochidium
widerhakig a	glochidiate
Widerholungsspross m	innovation shoot
Wiese f	meadow
Wiesenmoor n	meadow swamp
Wiesenrispengrass n	fescue grass Festuca sp.
Wildling m	parent stock (on which scion is grafted)
Wimmer f	gnarl, wood with marked or irregular grain
wimmeriges Holz n	curly grained wood
Wimper f	cilium
Windblatt n	leaf resistant to wind injury
Windblume f	flower which may be both anemophilous and entomophilous
Windblütler m	anemophilous plant
Windengewächse n pl	Convolvulaceae
Windepflanze f	twiner
Windfrüchtler m	plant disseminated by air currents
Windroller m	anemochorous fruit

Windröschen n	windflower, *Anemone* sp.
Windung f	spiral
Wintergrün n	wintergreen, *Pyrola rotundifolia*
Wintergrüngewächse n pl	Pyrolaceae
Winterknospe f	winterbud
Winterkresse f	winter cress, *Babarea vulgaris*
Wintermalve f	hollyhock
Winterruhe f	winter rest-period
Winterspore f	resting spore
Wintersteher m	plant retaining the seed through the winter
Wipfelpflanze f	branching tree
Wirt m	host
Wirtel m	whorl
wirtelig a	verticillate
wirtshold a wirtsstet a	host-limited
wirtsvag a	host-diversified
wirtwechselnd a	heteroecious
Wolfsmilch f	spurge, *Euphorbia* sp.
Wolfsmilchgewächse n pl	Euphorbiaceae
Wollhaar n	woolly hair
wollig a	woolly
Wollklette f	bur which clings to wool or feathers of animals
Wollkraut n	mullein, *Verbascum* sp.
Wucherblume f	ox-eye daisy, *Chrysanthemum* sp.
Wucherung f	proliferation
wulstig a	swollen, padded, torulose
Wunde f	wound
Wundfäule f	wound rot
Wundholz n	callus
Wundklee m	*Onthyllis* sp.
Wundkork m	wound periderm

Wundreiz m	traumatic stimulus
Wundverschluss m	wound covering, wound healing
Wurzel f	root
Wurzelanlauf m	root swelling
Wurzelausläufer m	stolon
Wurzelausscheidung f	root secretion
Wurzelausschlag m	sucker
Wurzelbrand m	root necrosis
Würzelchen n	rootlet, radicle
Wurzeldorn m	root thorn
Wurzelendodermis f	hypoderm of root
Wurzelfäule f	root rot
Wurzelhaar n	root hair
wurzelhaarliefernde Schicht f	piliferous region of root
Wurzelhals m	root neck, root collar
Wurzelhaube f	root cap, calyptra
Wurzelhaut f	root epidermis
Wurzelhülle f	velamen
Wurzelkletterer m	root climber
Wurzelknöllchen n	root tubercle
Wurzelknolle f	root tuber
Wurzelkropf m	crown gall
Wurzelpetersilie f	parsley
Wurzelpilz m	mycorrhiza
Wurzelranke f	root modified into tendril-like organ
Wurzelscheibe f	root crown
Wurzelscheide f	corallorrhiza
Wurzelschoss m	sucker
Wurzelsprosser m	plant with much-branched roots which take the place of a root stalk
Wurzelstock m	rhizome, root stalk
Wurzelsymbiose f	root symbiosis
Wurzeltasche f	root pocket

Wurzelträger m	rhizophore
Wurzelwerk n	root system
Wüste f	desert
Wüstensteppe f	semidesert

Z

German words of Latin or Greek derivation beginning with Ze, Zi, or Zy, if not found here, should be looked for under the letter C.

Zacken m	tooth, *jag*
Zackenschote f	*Bunias* sp.
zackiges Krönchen n	jagged crown
Zahlenreihe f	series (numerical)
Zäpfchen n	cone, peg
Zapfen m	cone
Zapfenrhizoid m	pegged rhizoid
Zeder f	cedar
Zeichnung f	marking
zeitliche Reizwirkung f	effect produced by acceleration and retardation stimuli
zeitlicher Dimorphismus m	polymorphy
Zeitstaude f	perennial in which the aerial parts mature so rapidly that they disappear before the growing season is over
Zellbildung f	cell formation
Zelle f	cell
zellenähnlich a	pseudo-cellular
Zellenanhäufung f	group of cells
Zellenbläschen n	oildrop (in liverworts)
zellenförmig a	alveolar
Zellengang m	cellular duct
Zellenkörper m	oildrop (in liverworts)
Zellennaht f	cell suture
Zellenpflanze f	plant which lacks vascular tissue
Zellenstoff m	protoplasm in cellular units

Zellfaden m	cell filament
Zellfläche f Zellgewebe n	tissue, cellular tissue
Zellhaut f	cell wall
Zellhöcker m Zellhügel m	cellular prominence
Zellkern m	nucleus
Zellkernteilung f	mitosis
Zellkörper m	organ
Zellleib m	sarc
Zellnest n	group of cells
Zellplasma n	protoplasm
Zellreihe f	row of cells
Zellsaft m	cell sap
Zellsprossung f	budding (of cells)
Zellstoff m	cellulose, paper pulp
Zellstoffbalken m	trabecula
Zellverjüngung f	cell rejuvenation, cell metamorphosis
Zellverschmelzung f	cell fusion
Zellwand f	cell wall
Zerfallfrucht f	dehiscent fruit
Zerklüftung f	fission, fragmentation
zerknittert a	corrugated
Zerrung f	stretching
zerschlitzt a	lacerated
zerschnitten a	dissected
Zerspaltung f	dissociation, cleavage
zerstreute Stellung f	abnormal position (of leaves)
zerstreutporiges Holz n	diffuse porous wood
Zeugung f	reproduction
Zeugungsverlust m	apogamy
Zeugungswert m	potency
Zinkenzelle f	fluke cell
Zinnkraut n	horsetail, *Equisetum arvense*
Zipfel m	tip, lobe
Zisternenpflanze f	cistern plant

Zittergras n	quaking grass, *Brisa* sp.
Zitterpappel f	aspen
Zitterpilz m	gelatinous fungus
Zopf m	top (of tree)
Zopfholz n	top branches
Zopftrocknis f	dying back of tree tops
Zotte f	shaggy hair
Zottenfuss m	base of shaggy hair
zottig a	villose
Zuchtrasse f	breed
Zuchtwahl f	selection
Zuckeranreicherung f	increase in sugar content
Zuckergras n	*Sorghum* sp.
Zufallskurve f	curve of probability
Zuführungsspalte f	external pore of stomate
Zugfaser f	mantle fiber
Zugfestigkeit f	tensile strength
Zugspannung f	tissue tension
Zugwurzel f	contractile root
Zukrümmung f	bending toward a support
Zuleitungsgewebe n	intermediary zone (in leaf tissue)
Zunge f	ligule
Zungenblüte f	labiate flower
zungenförmig a	ligulate
Zungenfuss m	base of ligule, glossopodium
zurückgebogen a	reflexed
zurückgerollt a	revolute
zurückgeschlagen a	reduplicate
zusammengelegt a	conduplicate
zusammengerollt a	convolute
zusammengesetzt a	compound
Zusammenhang m	correlation
Zuwachsgrösse f	growth in length
Zuwachsring m	ring of growth
Zwangsbestäubung f	cleistogamy
Zwangsdrehung f	spiralism

Zwangsschmarotzer m	obligate parasite
Zweigabsprung m	twig abscission
Zweigbrücke f	type of fusion between two hyphae
Zweigeschlechtigkeit f	monocliny
Zweigkletterer m Zweigklimmer m	branch climber
Zweigsteckling m	branch cutting
Zweigvorkeim m	secondary protonema
zweihäusig a	dioecious
zweijährig a	biennial
zweijochig gefiedert a	having two prs. of pinnae
zweiknöpfig a zweilappig a	bilobed
zweimächtig a	didynamus
zweischneidig reitend a	equitant (leaves)
zweiseitiger Hoftüpfel m	full-bordered pit
zweistufig a	diplocaulic
Zweizahn m	bur marigold, *Bidens* sp.
zweizeilige Blattstellung f	two-ranked alternate leaf arrangement
Zwerg m	dwarf
Zwergmännchen n	dwarfed male
Zwergrost m	rust caused by Puccinia simplex
Zwergunterlage f	dwarf stock (for grafting)
Zwergwuchs m	nanism
Zwiebel f	bulb, onion
Zwiebelbrand m	onion smut
Zwiebelbrut f	brood bulb
Zwiebelhaar n	bulbous hair
Zwiebelknolle f	bulbous tuber
Zwiebelkuchen m	bulb axis
Zwiebelschale f Zwiebelschuppe f	bulb scale
Zwischenband n	copula
Zwischenblattseite f	interfoliar side

Zwischenbündel n	intermediate bundle
Zwischengewebe n	conjunctive tissue, intermediary tissue
Zwischenmasse f	ground substance
Zwischenrasse f	intermediate race, eversporting variety (with high frequency of sporting)
Zwischenreaction f	intermediate reaction
Zwischenstreifen m	closing layer (in lenticel)
Zwischensubstanz f	hyaloplasm, interstitial substance
Zwischenwanddrüse f	intramural gland
Zwischenwirtsvernichtung f	destruction of alternate host
Zwischenzelle f	paraphysis
Zwitterblüte f	hermaphroditic flower
zwitterig a	hermaphroditic
Zwitterreife f	homogamy

STANFORD UNIVERSITY LIBRARY

To avoid fine, this book should be returned on or before the date last stamped below.

Stanford University Libraries
3 6105 022 593 623
286319